

MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.921

UDC 551 506 1 (41-4)

NOVEMBER 1978

VOLUME 95

NUMBER 11

Mild first three weeks; cold last week, with snow.

The British Isles lay within the peripheral circulation of a large anticyclone over central Europe for much of the first two weeks, and a mild airstream from between south and west covered most areas. Frontal troughs mainly affected northern districts until the 12th, when an active cold front from the west crossed all parts. A deepening depression moved rapidly north-eastwards between Iceland and Scotland on the 14th, but a developing wave delayed the southward progress of the associated cold front until the 15th. A mild westerly flow was then maintained until the 22nd with further fronts crossing all areas. A cold front moved south-eastwards on the 23rd and 24th, and with pressure rising to the west of Ireland a north-westerly airstream became established. A ridge of high pressure from the north drifted eastwards across Britain between the 27th and the 30th, bringing a northerly airstream at first, but a mainly southerly flow by the end of the month.

Weather

The first three weeks were mild and, except in north-western areas, it was mainly dry until the 12th. Fog frequently developed overnight during this period and it was slow to clear in parts of the south. The middle of the month was very unsettled, with heavy rain in the north and gales in many areas. It became very cold during the last week; snow showers reached most districts and freezing fog persisted in parts of eastern and southern England.

Wind

Winds were often fresh or strong in northern and western Scotland and gales were reported on a number of occasions. The total of 14 days on which winds reached gale force at Lerwick (Shetland) was the highest there for any November since 1953. Fresh or strong winds on exposed coasts of England and Wales occurred most frequently between the 12th and the 28th and there were gales in many parts of Britain around mid-month. The gales were particularly severe in the north. Maximum gusts in Scotland mostly occurred on the 14th, when a gust of 80 kt was recorded at Kirkwall (Orkney) and Fair Isle reported a gust of 100 kt. In most remaining areas the highest gusts were recorded on the 15th. Wind directions were between south and west for much of the month. From the 24th, however, north-west to northerly winds predominated, although directions became mainly south to south-east towards the end of the month.

Temperature

Monthly mean temperatures were above average almost everywhere, in spite of a cold spell during the last week. Values ranged from near average in Shetland to more than 2 °C above the normal in parts of eastern Scotland and northern, central and eastern England. Mean temperatures were between 1 and 2 °C above average in most remaining areas. The weather was generally mild until the 23rd, and exceptionally so at times. Most places recorded their monthly maxima during the first 8 days, the temperature reaching 18.4 °C at Elmstone (Kent) and Poole (Dorset) on the 5th and 8th respectively. Glenmore Lodge, in the Scottish Highlands, recorded a maximum of 18.1 °C on the 6th. Much colder weather spread southwards on the 24th and the cold spell which followed contrasted sharply with the mild conditions experienced earlier. Monthly minima mostly

occurred during the last few days, the temperature falling to below -9 °C in places in east and south-east England on the night of the 29th/30th, when Mepal (Cambridgeshire) recorded a minimum of -11.5 °C.

Rainfall

Monthly rainfall totals in Scotland were mostly well above average, but amounts decreased sharply towards the eastern coastal strip. Values ranged from over 220 per cent of the normal in parts of the north-west to about 30 per cent in the Aberdeen area. Rainfall was above average over most of Northern Ireland and in parts of Wales and north-west England, but less than half the normal amount fell over much of the remainder of England. Most of south-east England recorded less than 25 per cent of the normal, and only about 10 per cent fell along the Sussex coast. Many areas had spells of dry weather until the 11th, but the rest of the month was generally less settled, particularly in the north and west. Heavy rain falling in Scotland on successive days between the 12th and the 17th caused flooding in many parts.

Snow

Scattered wintry showers, mainly of sleet or hail, occurred at times in northern areas between the 12th and the 23rd, but snow showers fell in many parts from the 24th onwards. Depths of 5-10 cm were measured in level snow in the north and east and also in the Welsh mountains, and undrifted depths exceeding 20 cm were reported at one or two places in north-western Scotland and Northern Ireland. Snow covered the higher Scottish mountains during the last week and also lay on high ground in Wales and in northern and south-western England.

Sunshine

Sunshine was above average in eastern Scotland, in the Channel Islands and over most of England and Wales. As in 1977, this was a very sunny November in some places. Totals exceeded 160 per cent of the normal in the north Midlands, while Hull (Humberside) and Bradford (West Yorkshire) recorded a little over 175 per cent of average. Sunshine was below normal in parts of southern and over most of western Scotland, however, with monthly totals less than 65 per cent of average in the Hebrides. The Isle of Man, most of Northern Ireland and some western parts of England and Wales also had less than their normal sunshine for the month.

Fog

Patches of overnight fog formed in many areas during the first week, but mostly affected South Wales and central and southern England during the second week. The fog became dense in these parts on the nights of the 9th/10th and 10th/11th, persisting all day in places on both the 10th and the 11th. Thick fog disrupted airline schedules at London/Heathrow and Gatwick Airports and several people were killed in road accidents in Kent and East Anglia on the 11th. Fog re-formed in places on the night of the 11th/12th, but was seldom reported between the 13th and the 27th. Freezing fog became dense in places on the nights of the 28th/29th and 29th/30th and it persisted all day in the Benson (Oxfordshire) area on the 29th, and in the Vale of York and parts of the east Midlands on the 30th. Collisions involving large numbers of vehicles occurred in thick fog in eastern England on the 30th with some loss of life.

Miscellaneous Phenomena

A waterspout was observed from Scarborough (North Yorkshire) at 1030 GMT on the 27th.

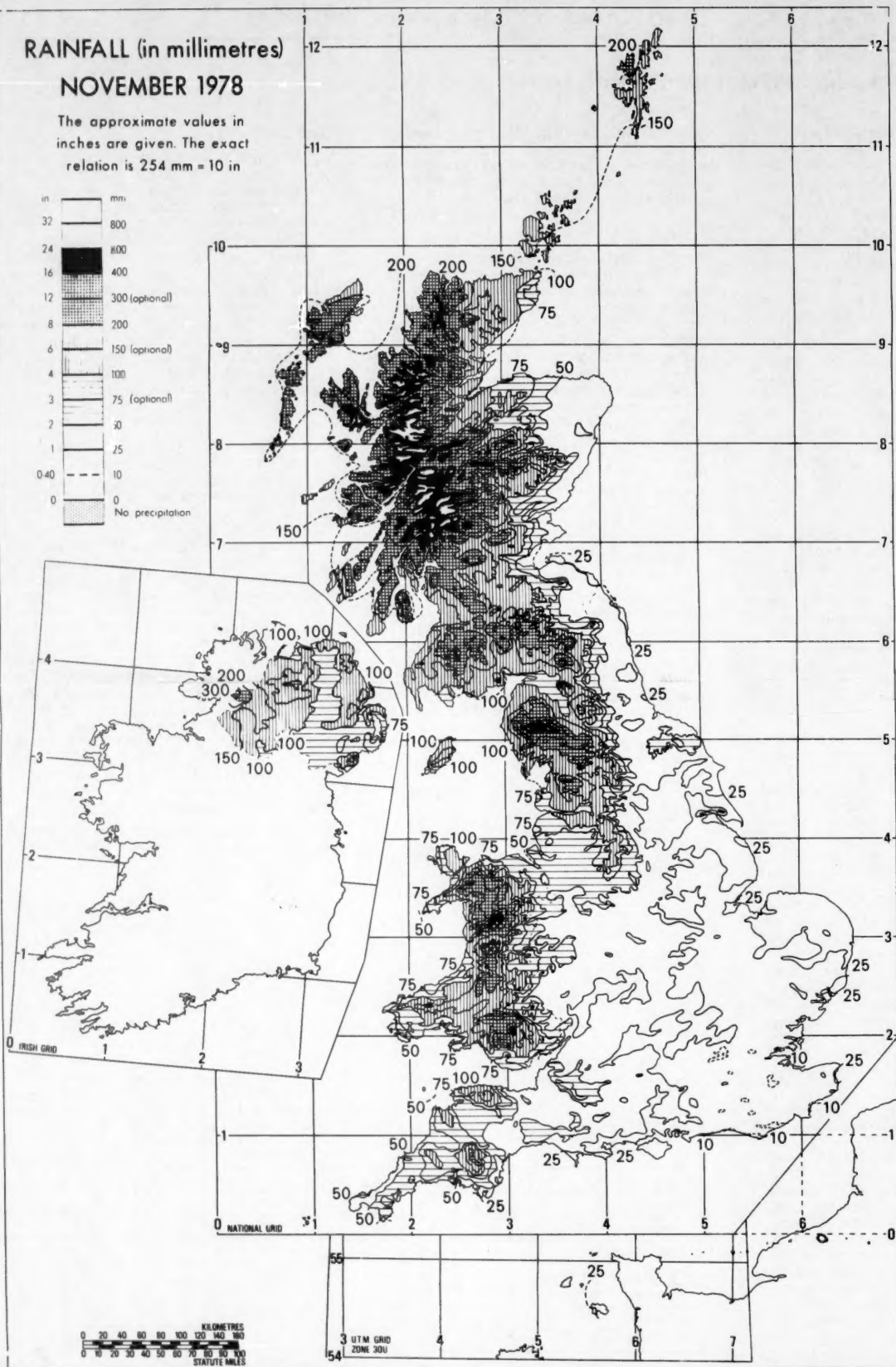
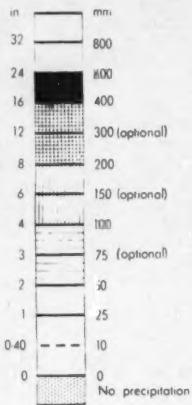
Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain- days	rainfall	sun- shine
	Highest Max*	Lowest Min*	max.	min.	mean				
0 Scotland N	17.2	-5.5	+0.6	+0.5	+0.6	+0.9	+3	184	85
1 Scotland E	17.3	-7.4	+1.9	+1.9	+1.8	+2.2	-1	98	118
2 England E & NE	16.5	-8.5	+2.1	+1.3	+1.7	+2.2	-8	50	141
3 East Anglia	17.5	-8.6	+2.1	+1.6	+1.9	+2.1	-7	39	136
4 Midland Counties	17.0	-8.0	+2.2	+1.6	+1.9	+2.3	-6	52	145
5 England SE & Central S	17.5	-7.6	+1.9	+1.9	+1.9	+1.9	-6	22	129
6 Scotland W	16.0	-7.4	+1.4	+1.8	+1.6	+2.2	+2	150	86
7 England NW & Wales N	17.2	-6.0	+1.6	+1.9	+1.8	+2.2	-3	109	106
8 England SW & Wales S	18.4	-5.8	+1.7	+1.5	+1.6	+2.0	-3	62	97
N Ireland	16.2	-6.1	+1.7	+1.6	+1.7	+2.3	+1	112	89
Scotland	17.3	-7.4	+1.3	+1.4	+1.3	+1.8	+1	144	96
England & Wales	18.4	-8.6	+1.9	+1.6	+1.8	+2.1	-5	56	126

*Highest maximum and lowest minimum of District Value Stations

RAINFALL (in millimetres) NOVEMBER 1978

The approximate values in inches are given. The exact relation is 254 mm = 10 in



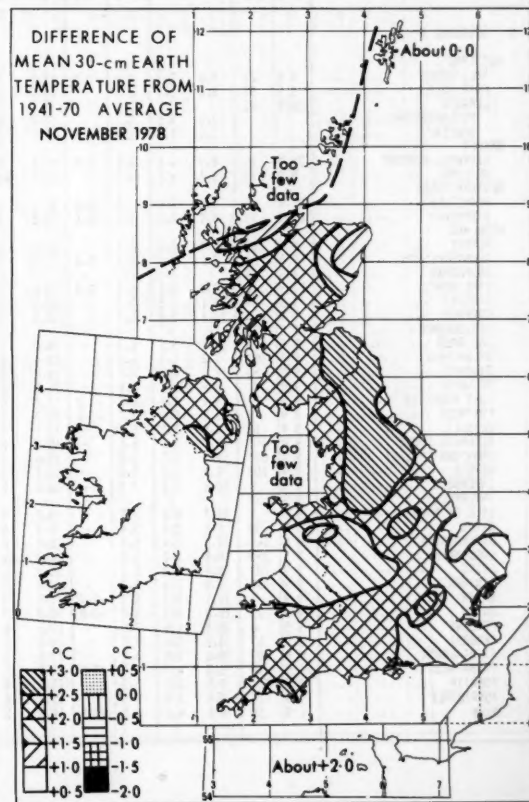
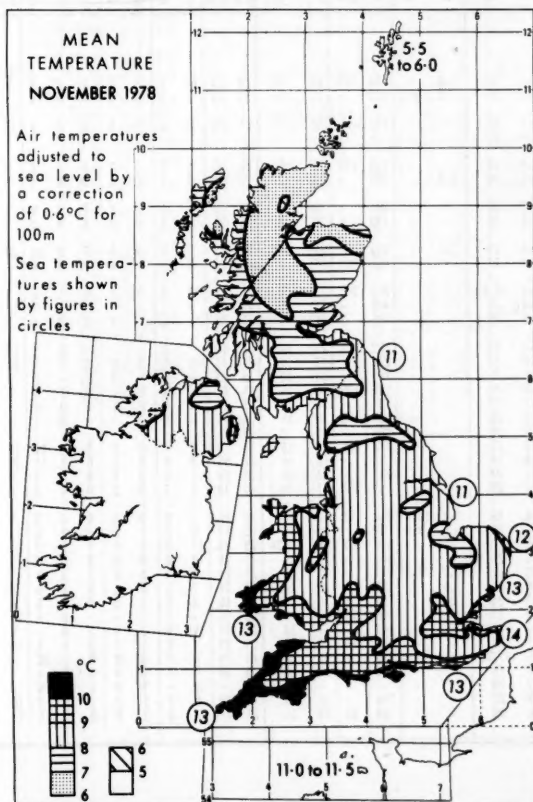
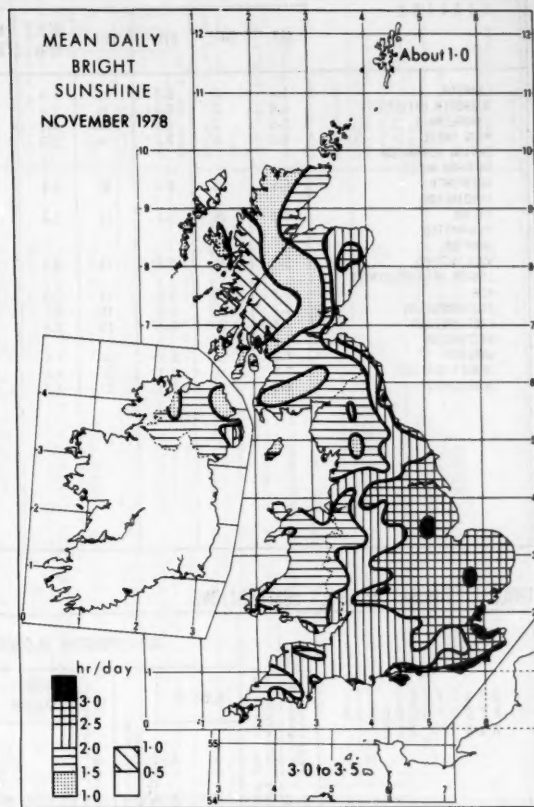
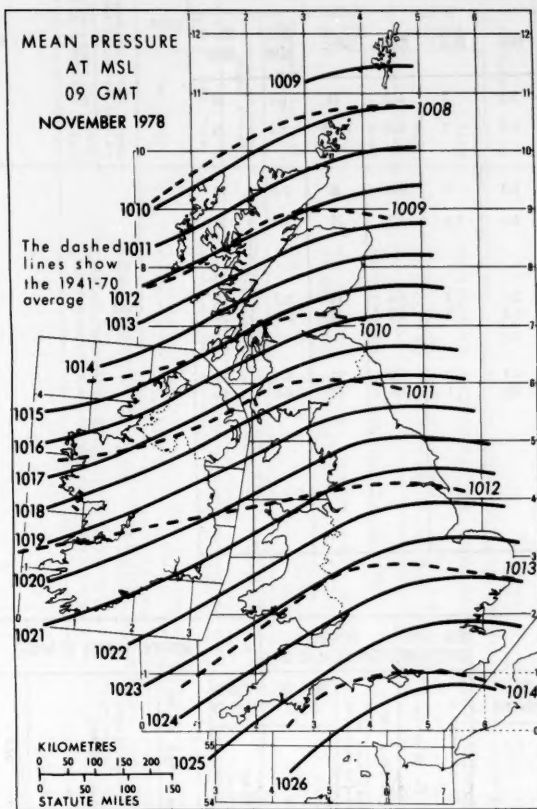


TABLE 2 SOLAR RADIATION

NOVEMBER 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJoules PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJoules PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERNICK	3.4	2	0.2	15	1.4	30	3.1	2	0.2	15	1.1	30
ABERDEEN UNIVERSITY	4.8	2	0.7	10	2.4	30						
ESKDALEMUIR	5.5	2	0.3	14,15	2.0	29	2.7	7	0.3	14,15	1.3	29
NOOR HOUSE	6.2	6	0.1	14	2.0	30						
SUTTON BOWINGTON												
ORFARNA WATER												
ABERNETHY	6.6	9	0.8	30	3.1	28	3.9	3	0.8	30	2.0	28
CARDINOTON												
SILSOE	6.0	26	1.2	15	3.8	30	3.4	2,3	1.1	26	2.2	30
ROTHAMSTED												
GARSTON												
WALLINGFORD	5.3	27	0.6	19	3.1	30						
LONDON WEATHER CENTRE												
KEM	6.2	7	0.6	19	3.3	30	3.7	3	0.6	19	2.2	30
EASTHAMPTON	5.7	26	0.5	19	3.5	30	4.0	3	0.5	19	2.1	30
EAST NALLING	7.3	16	0.3	19	3.9	30						
AUSTINGTON												
WAREHAM	7.2	5	0.9	14	3.6	30						
JERSEY AIRPORT	7.8	9	1.7	22	4.6	30	4.7	1	1.6	22	3.0	30
ALDERGROVE	6.3	2	0.5	30	2.2	30	2.6	1	0.6	23	1.6	30

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE		MAX. TEMP. (HGT.) MIN. OF OBSERVATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C										MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE					
			MEANS OF		HIGHEST MAXIMUM	LOWEST MINIMUM	DIFFERENCE FROM 1961-70 AVERAGE	NO. OF DAYS	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE	PRECIP- ITATION	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1961-70 AVERAGE EXPOSURE							
			MAX. (A)	MIN. (B)																												
0 SCOTLAND N																																
SHEPHERD		9 9	24	8.0	2.7	5.3	-0.3	12.7	4	-4.5	27	6.8	164	128	22	15	28	23	10	3	3	1	1	0	5	-	11	0.96	112	-		
BAIRDSOUND		9 9	57	8.5	5.3	6.9	-	13.1	5	-3.0	27	7.9	8.6	135	-	15	15	23	23	7	3	10	3	2	0	2	6	-	1.10	-	-	
LERNICK		21-9	82									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PSYCHROMETER		9 9		7.4	4.1	5.7	-	12.1	5	-3.5	27	-	171	-	22	15	27	24	9	2	7	6	2	0	4	13	10	1.04	96	-	-	
SCREEN		9 9		7.6	3.9	5.7	+0.1	12.4	5	-3.9	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ORKNEY		21-9	26	8.3	4.6	6.5	+0.3	14.5	6	-1.8	27	-	143	120	21	15	24	19	5	2	5	7	3	0	2	7	8	1.30	100	-	-	
KIRKALL AIRPORT		9 9	24	9.3	4.4	6.9	-	14.4	4,5	-1.0	28	6.8	153	-	23	12	23	21	9	1	2	3	3	0	2	9	-	-	-	-	-	
WESTERN ISLES																																
BENBECULA		21-9	6	9.6	6.0	7.8	+0.8	14.1	5	-2.5	28	-	201	-	30	12	27	22	4	0	3	2	5	2	0	4	5	5	1.15	65	-	-
STORMHAWY		21-9	15	8.9	4.9	6.9	+0.5	13.8	7	-1.2	28	-	190	-	26	9	25	22	5	3	2	7	2	0	2	5	6	0.95	60	-	-	
HIGHLAND																																
ACHARY		9 9	107	8.7	1.4	5.1	-	15.8	6	-3.8	11	7.2	154	-	22	14	24	22	7	8	0	0	0	0	10	20	-	3	1.39	-	-	
ACHARSHELLACH		9 9	67	9.6	2.9	6.3	+1.0	17.2	7	-2.1	27	-	426	209	39	2	28	27	5	6	1	0	0	0	6	-	-	-	-	-	-	
BALMORARA		9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CAPE WATH		21-9	111	9.0	4.5	6.7	0.0	16.0	7	-1.4	27,28	-	242	205	30	2	25	24	10	0	7	2	0	1	3	3	4	1.17	-	8	-	
CRASSLEY		9 9	99	(9.1)	2.3	(5.7)	-	16.0	4	-3.0	28	-	408	-	37	15	26	25	-	-	-	-	-	-	-	5	19	-	-	-	-	
CORPACH		9 9	8	10.1	3.8	6.9	-	15.9	6	-4.5	28	-	424	-	70	13	25	24	1	4	0	0	0	0	4	9	-	-	-	-	-	
CRATONARROCH		9 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DALCROSS		9 9	11	9.8	3.7	6.7	-	16.0	6	-1.5	29	-	99	-	23	14	22	15	-	0	-	-	-	-	-	-	-	-	-	-	-	
DALMUNNIE		9 9	351	7.8	1.7	4.7	-	13.4	6	-10.0	27	-	221	-	35	14	24	21	10	8	0	0	0	0	9	13	-	0	1.36	-	8	
DIBRIG		9 9	60	10.1	4.9	7.5	-	18.0	6	-0.5	26	-	264	-	25	18	25	23	4	5	4	3	2	0	2	-	-	3	-	-	-	
DOUMREY		9 9	21	9.8	3.4	6.6	-	15.3	6	-1.5	29	-	115	115	16	14	24	22	5	0	0	2	0	0	1	6	-	1	-	-	-	
FORT AUGUSTUS		9 9	21	9.4	3.6	6.5	+1.2	15.2	6	-4.2	27	-	234	-	30	14	25	24	4	4	0	1	0	0	6	-	-	1.23	115	-	-	
FORTROSE		9 9	5	9.9	5.4	7.7	+1.2	15.2	6	-0.5	28	-	100	175	30	14	20	17	-	0	-	-	-	-	-	-	-	1.65	101	-	-	
GEISEIL		9 9	12	(9.5)	(3.8)	(6.7)	-	15.1	6	-1.0	28	-	294	-	35	2	26	24	-	-	-	-	-	-	-	3	-	-	-	-	-	
GLENDARE LODGE		9 9	341	9.2	1.6	5.4	-	18.1	6	-7.9	27	-	132	126	21	13	23	19	8	7	0	0	0	0	11	18	12	1.32	-	5	-	
GRANTOWN-ON-SPY		9 9	229	8.9	1.5	5.2	-	15.8	6	-6.9	29	-	21	-	18	14	22	15	0	4	5	0	0	0	1	11	20	-	1.88	-	-	
HERST		9 9	109	9.4	4.2	6.8	-	14.3	7	-1.7	27	-	269	-	23	14	25	24	3	0	0	0	0	0	5	9	-	-	-	-	-	
INVERNESS		9 9	4	10.2	4.5	7.3	-	16.5	6	-1.1	29	-	93	157	21	14	21	18	3	3	0	0	0	0	3	6	-	0	1.63	-	-	
INVERPOLLY		9 9	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ISLE OF RHUM		9 9	5	10.7	4.8	7.7	-	15.5	4	-2.6	28	9.1	10.4	354	143	41	17	25	24	1	0	0	6	0	0	3	9	-	8	-	-	
KEISS		9 9	30	9.0	2.7	5.9	-	14.3	5	-2.4	29	6.8	8.3	80	-	14	15	23	17	6	2	2	2	1	0	6	13	-	1.79	-	-	
KNOCKARROCK		9 9	244	8.0	2.4	5.2	-	16.0	6	-2.5	28	-	335	153	28	17,24	25	25	11	8	0	5	1	1	7	13	-	3	-	-	-	
LAGANLILA		9 9	250	8.9	2.2	5.5	-	14.5	4	-6.6	27	-	140	-	23	14	21	18	9	8	0	0	0	0	8	15	-	4	-	-	-	
LARIO		9 9	107	8.9	1.2	5.1	-	15.3	6	-3.9	11	6.2	7.7	179	-	22	12	25	23	7	9	3	0	1	3	15	17	-	1	-	-	
LEATHAM		9 9	146	8.8	2.5	5.7	-	14.6	6	-5.0	28	7.6	133	-	26	14	23	21	7	6	0	1	0	1	6	18	-	6	-	-	-	
NARIN		9 9	6	10.1	3.3	6.7	+1.1	15.5	6	-1.7	29	-	97	176	20	14	21	16	3	0	0	2	0	0	0	6	9	-	1.99	115	-	-
ONICH		9 9	15	10.0	3.7	6.9	+0.8	16.0	7	-5.5	27	-	396	221	55	14	25	25	-	4	5	-	-	-	0	1	11	-	0.82	65	-	8
POOLEWE		9 9	6	10.3	4.6	7.5	-	17.5	6	-0.4	28	-	347	-	34	18	26	25	4	5	1	4	2	0	1	5	-	2	0.98	-	-	
PRADST		9 9	67	9.2	3.4	6.3	-	14.0	7	-2.7	27	-	271	146	29	18	27	23	4	5	1	7	2	0	5	15	-	14	1.08	-	-	
STRATHCONON		9 9	107	9.5	1.9	5.7	-	17.6	6	-3.6	27,28	-	256	-	31	14	25	24	2	7	0	0	0	0	10	-	-	0	-	-	-	
TARBATHNESS		21-9	18	9.0	4.7	6.9	+0.9	14.5	6	-0.5	28	-	85	-	16	14	23	18	1	0	0	0	0	0	-	-	-	-	-	-	-	
TARATIN		9 9	311	8.5	2.5	5.5	-	115.6	6	-4.7	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TORRISDALE		9 9	27	9.9	2.9	6.4	-	15.6	6	-0.9	27	-	154	-	22	15	25	23	5	0	1	2	1	0	3	10	-	1	1.40	-	8	
WICK		21-9	36	8.4	4.1	6.3	+0.4	14.4	5	-2.6	28	-	69	83	13	15	23	19	4	0	2	3	0	0	4	11	10	1	1.70	109	-	-

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TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TEMP. (°C)	MIN. TEMP. (°C)	HEIGHT OF STATION (M)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE		RAINFALL TERMINAL H 09 GMT		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE																																
				MEANS OF		DAILY MEAN (°C)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM	DATE	50 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	HOURS OF RAIN	DATE	PRECIP- ITATION 0.2 MM OR MORE	0.2 MM OR MORE	0.2 MM OR MORE	SNOW OR SLEET SHOWN LYING AT 09	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 09	AIR FROST	DRASS OF DEG C CONCRETE MIN. BELON O DEG C	ORLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE																									
				MAX. (A)	MIN. (B)			MAX.	DATE																																															
6 SCOTLAND W																																																								
STRATHCLYDE																																																								
ACHALACHACH	9.9	12	10.7	5.1	7.9	-	-	14.8	8	-5.7	28	-	-	207	120	33	14	26	22	2	0	0	0	0	0	0	0	0	0	0	0	0																								
AROS	9.9	37	10.8	4.7	7.7	-	-	115.1	7	-5.0	28	-	-	294	-	31	12	25	24	0	0	0	0	0	0	0	0	0	0	0	0	0																								
AUCHINCUIVE	9.9	45	10.8	5.6	8.1	+2.0	-	15.4	7	-5.6	28	9.5	10.6	127	141	17	14	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0																								
BENMORE (YOUNGER)																																																								
BOTANIC GARDEN	9.9	12	10.4	4.7	7.5	-	-	15.4	4	-3.9	28	9.2	-	350	162	44	13	23	22	2	0	0	0	0	0	0	0	0	0	0	0	0																								
BRODICK CASTLE	9.9	15	11.4	5.9	8.7	-	-	15.1	18	-4.0	28	9.4	-	281	150	31	14	21	21	2	0	0	0	0	0	0	0	0	0	0	0	0																								
CAMP RESERVIA	9.9	295	8.4	2.9	5.7	-	-	12.8	4	-8.7	28	-	-	162	130	39	15	22	19	10	6	0	0	0	0	0	0	0	0	0	0	0																								
CARNATH	9.9	208	9.2	2.8	6.0	-	-	13.6	4	-10.1	28	8.4	-	104	129	18	15	20	15	5	1	2	0	0	0	0	0	0	0	0	0	0																								
CORTBRIDGE	9.9	66	9.9	4.6	7.3	-	-	14.5	4.7	-6.5	28	-	-	134	168	21	14	20	16	1	0	0	0	0	0	0	0	0	0	0	0	0																								
COLONSAY	9.9	35	10.7	6.0	8.3	-	-	14.5	4	0.0	29	-	-	183	-	33	14	23	21	1	0	0	0	0	0	0	0	0	0	0	0	0																								
CRAIGHOUSE	9.9	4	11.0	5.6	8.3	-	-	14.7	4	-2.4	28	-	-	230	-	37	14	24	23	3	0	0	0	0	0	0	0	0	0	0	0	0																								
CRAWFORD JOHN	9.9	274	8.7	3.2	5.9	-	-	13.5	14	-9.0	28.29	8.4	-	-	-	-	-	-	-	7	5	0	0	0	0	0	0	0	0	0	0	0																								
CUNNOCK	9.9	99	10.1	4.3	7.2	-	-	14.5	5	-8.3	28	9.1	-	151	-	25	15	23	17	1	3	0	0	0	0	0	0	0	0	0	0	0																								
DUNSTAFFRIDGE	9.9	5	10.7	5.2	7.9	-	-	15.1	4	-3.7	28	-	-	277	-	38	14	25	23	2	0	0	0	0	0	0	0	0	0	0	0	0																								
EAST KILBRIDE	9.9	178	9.3	4.5	6.9	-	-	13.8	4	-6.0	28	-	-	217	-	29	14	21	20	4	6	0	0	0	0	0	0	0	0	0	0	0																								
GIRVAN	9.9	8	11.2	6.0	8.6	-	-	15.5	4	-4.5	28	-	-	128	124	13	12.23	22	17	2	0	0	0	0	0	0	0	0	0	0	0	0																								
GLASGOW																																																								
ABBOTSLINCH AIRPORT	21-9	5	10.3	5.5	7.9	+1.9	-	15.2	4	-7.0	28	-	-	174	-	30	13	22	20	2	0	0	0	0	0	0	0	0	0	0	0	0																								
SPRINGBURN PARK	9.9	107	9.5	4.8	7.1	+1.8	-	14.3	4	-3.9	28	-	-	145	152	24	13	22	19	4	1	0	0	0	0	0	0	0	0	0	0	0																								
WEATHER CENTRE (X)	21-9	40	10.4	6.9	8.7	-	-	15.2	4	-2.5	28	-	-	141	-	22	13	22	19	2	-	2	0	0	0	0	0	0	0	0	0	0																								
DREENOCK	9.9	61	-	-	-	-	-	-	-	-	-	-	-	262	181	42	14	22	21	-	-	-	-	-	-	-	-	-	-	-	-	-																								
HELENSBURGH	9.9	96	9.5	4.2	6.9	+1.3	-	13.6	14	-4.6	28	-	-	236	178	42	14	24	20	-	6	-	-	-	-	-	-	-	-	-	-	-																								
MUNTERSTON	9.9	8	10.6	6.7	8.7	-	-	15.0	14	-2.8	28	-	-	111	-	20	14	22	16	2	0	0	0	0	0	0	0	0	0	0	0	0																								
KILDONAN	9.9	18	10.6	6.1	8.3	-	-	14.0	7	-1.6	28	-	-	127	-	19	14	20	19	1	0	0	0	0	0	0	0	0	0	0	0	0																								
KNAPDALE FOREST	9.9	12	10.7	4.6	7.7	-	-	15.3	4	-7.0	28	-	-	264	-	33	14	22	22	1	0	0	0	0	0	0	0	0	0	0	0	0																								
LEADHILLS	9.9	388	8.1	2.9	5.5	-	-	12.5	7	-9.3	28	-	-	193	119	37	15	23	20	6	6	0	0	0	0	0	0	0	0	0	0	0																								
HACHTHARISH	21-9	10	11.1	7.0	9.1	-	-	15.8	4	-4.4	28	-	-	113	90	14	14	20	20	1	0	0	0	0	0	0	0	0	0	0	0	0																								
HILLPORT	9.9	5	10.9	6.5	8.7	-	-	15.0	14	-1.5	28	-	-	113	106	22	14	22	19	3	0	0	0	0	0	0	0	0	0	0	0	0																								
PAISLEY	9.9	32	10.4	5.5	7.9	+1.6	-	15.0	4	-3.3	28	8.9	11.1	200	192	33	14	22	21	3	0	0	0	0	0	0	0	0	0	0	0	0																								
PRESTWICK	21-9	16	10.5	6.3	8.4	-	-	15.3	7	-6.5	28	-	-	118	135	16	14	20	20	2	0	0	0	0	0	0	0	0	0	0	0	0																								
RHUFAR	21-9	20	10.7	7.1	8.9	-	-	15.2	4	0.1	28	-	-	227	167	28	13	24	22	1	0	0	0	0	0	0	0	0	0	0	0	0																								
ROTHESAY	9.9	43	10.5	6.1	8.3	-	-	15.0	4	-2.5	28	9.1	10.3	173	130	24	14	22	21	0	0	0	0	0	0	0	0	0	0	0	0	0																								
SLOY	21-9	12	10.2	5.6	7.9	-	-	15.2	4	-5.8	27	-	-	499	-	73	13	25	23	3	1	0	0	0	0	0	0	0	0	0	0	0																								
STRONACHULLIN	9.9	2	11.2	5.5	8.3	-	-	16.1	4	-2.7	28	-	-	279	-	36	14	23	21	1	1	0	0	0	0	0	0	0	0	0	0	0																								
TREE	21-9	9	10.2	6.6	8.4	+0.8	-	14.0	4	-1.1	28	-	-	183	160	22	14	25	22	0	1	0	0	0	0	0	0	0	0	0	0	0																								
UPLANDWOOD	9.9	128	9.3	4.2	6.7	-	-	14.0	4	-6.7	27	-	-	221	-	28	14	22	21	4	3	1	5	0	0	0	0	0	0	0	0	0																								
CENTRAL																																																								
ARACHMOR	9.9	30	-	-	-	-	-	-	-	-4.1	28	-	-	274	-	39	14	25	22	3	0	0	0	0	0	0	0	0	0	0	0	0																								
CALLANDER	9.9	107	9.2	3.5	6.3	-	-	13.5	6	-4.5	28	-	-	305	227	47	14	23	21	3	0	0	0	0	0	0	0	0	0	0	0	0																								
EARLS HILL	21-9	395	7.6	3.1	5.3	-	-	11.9	4	-4.8	28	-	-	255	-	39	14	21	19	3	3	0	0	0	0	0	0	0	0	0	0	0																								
FALKIRK	9.9	3	10.7	5.0	7.9	-	-	15.2	4	-6.3	28	-	-	138	-	24	14	20	15	1	0	0	0	0	0	0	0	0	0	0	0	0																								
ORANGEMOUTH	9.9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																									
PARKHEAD	9.9	107	10.6	4.5	7.5	-	-	15.6	4	-4.0	28.29	8.6	-	139	-	30	14	20	19	-	0	-	-	-	-	-	-	-	-	-	-																									
STIRLING (BATTERFLATS)	9.9	38	10.3	4.2	7.3	-	-	14.9	4	-5.2	28	9.3	10.5	168	-	37	14	21	17	3	1	0	0	0	0	0	0	0	0	0	0	0																								
DUMFRIES & GALLOWAY																																																								
BARRENNAN	9.9	110	9.9	4.0	6.9	-	-	13.1	4	-6.2	27.28	-	-	152	94	20	23	20	19	1	6	0	0	0	0	0	0	0	0	0	0	0																								
CLATTERINGSHAW	9.9	178	9.1	4.4	6.7	-	-	13.1	4	-5.9	29	-	-	264	129	34	14	20	20	4	6	0	0	0	0	0	0	0	0	0	0	0																								
DUMFRIES	9.9	49	10.5	5.1	7.8	+2.0	-	14.3	2	-4.9	29	9.9	10.9	117	111	25	15	19	17	2																																				

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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DISTRICT REGION/COUNTY AND PLACE	MAX. TEMPERATURE (HOURS)	MIN. OF OBSERVATION HEIGHT OF STATION ABOVE MSL (FEET)	AIR TEMPERATURE IN DEGREES C					MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE					
			MEANS OF		HIGHEST MAXIMUM	LOWEST MINIMUM	DATE	°C	°C	TOTAL FALL (MM)	PERCENTAGE OF 1841-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	0.2 HR OR MORE	SHOW OR BLEET	SHOW LYING AT 9H	MAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DAILY MEAN (HOURS)	PERCENTAGE OF 1841-70 AVERAGE	EXPOSURE	
			MAX. (A)	MIN. (B)																							
2 ENGLAND E & NE -CONTINUED																											
DURHAM	9 9	102	10.7	4.7	7.7	+1.9	15.8	18	-6.3	30	9.0	10.5	25	35	11	23	9	7	-	1	-	-	-	-	-	-	
DURHAM	9 9	155	10.2	3.6	6.9	-	15.3	4	-7.6	30	8.7	9.8	31	-	11	23	12	6	2	1	0	0	3	7	15	7	3
WIDDYBANK FELL	9 9	513	7.8	2.7	5.3	-	14.0	6	-6.3	28	7.1	-	187	-	32	14	20	20	-	6	-	-	-	-	-	-	
CLEVELAND																											
HARTBURN ORANGE	9 9	31	11.0	4.2	7.6	-	17.0	2	-7.0	30	-	-	25	41	11	23	9	7	2	3	0	0	0	4	9	-	2
HARTLEPOOL	9 9	9	11.5	5.8	8.7	+1.8	16.8	4	-3.0	30	-	-	42	61	20	23	10	7	2	3	0	0	0	4	9	-	2
NORTH YORKSHIRE																											
ASKHAM BRYAN	9 9	33	11.3	4.4	7.9	-	16.9	4	-6.8	30	-	-	24	37	6	15	9	6	1	2	0	0	0	2	6	10	-
CANWOOD	9 9	6	11.5	4.9	8.2	-	17.0	4	-6.3	30	9.6	10.9	17	27	4	15	9	6	1	1	0	0	0	1	5	10	-
HIGH MONTHORPE	9 9	175	10.0	4.7	7.3	-	14.8	4	-4.5	30	8.6	-	32	37	7	23	12	8	3	3	0	0	0	4	6	6	-
LEEMING	21-9	32	10.8	5.9	8.3	-	16.5	4	-6.9	30	8.9	10.9	32	50	10	23	9	5	2	1	0	0	0	4	5	8	6
MALHAM TARN	9 9	395	8.4	3.0	5.7	+1.6	12.2	4	-10.4	29	8.5	-	148	98	24	14	18	17	1	3	0	0	0	4	6	9	-
PICKERING	9 9	44	10.7	3.8	7.3	-	15.9	4	-6.7	30	9.0	-	32	43	7	23	14	9	4	3	1	0	0	0	2	7	13
SCARBOROUGH	9 9	52	11.3	5.8	8.5	-	15.6	4.5	-1.5	30	8.9	10.6	36	50	9	23	14	8	2	1	1	2	0	0	4	6	6
SILPHO HOB	9 9	205	10.3	4.4	7.3	-	14.7	2	-3.7	30	8.3	-	53	52	17	23	20	13	2	1	0	0	0	3	6	7	8
SWITZENDOLHE	9 9	290	8.9	3.8	6.3	-	12.7	4.14.18	-6.6	29	8.4	-	248	-	48	14	21	17	2	2	0	0	0	6	7	8	-
WHITBY	9 9	41	11.3	5.5	8.4	-	16.3	2	-2.8	30	-	-	37	-	9	23	11	8	4	3	0	0	0	0	5	7	-
WHITBY (COASTGUARD)	21-9	60	11.0	6.3	8.7	-	16.0	18	-3.3	30	-	-	20	-	9	23	12	9	3	0	0	0	0	3	5	2	-
YORK (HESLINGTON)	9 9	19	11.7	4.8	8.3	-	17.5	18	-5.5	30	9.6	10.8	18	28	5	23	9	5	1	2	0	0	0	0	7	11	-
HUMBERSIDE																											
BRIDLINGTON	9 9	48	11.1	4.7	7.9	-	15.1	1	-2.6	27	-	-	29	35	7	27	12	9	4	2	0	2	0	4	6	8	-
CLEETHORPES	9 9	7	11.6	5.8	8.7	+2.0	16.5	2	-3.0	30	-	-	29	44	7	19	9	8	-	1	0	0	0	0	5	7	-
HULL	9 9	2	11.8	5.4	8.6	+1.9	16.3	8	-5.1	30	9.3	11.4	29	43	7	12	10	7	2	3	0	0	0	0	5	7	-
LINCOLNSHIRE																											
BINGHAM	21-9	108	10.1	5.2	7.7	-	15.0	18	-5.6	30	-	-	33	43	8	19	11	9	4	3	0	2	0	2	6	7	6
CAISTON	9 9	21	10.9	4.5	7.7	-	15.6	8	-7.9	30	-	-	28	-	7	19	9	7	-	-	-	-	-	7	-	-	-
CRAWELL	9 9	62	11.3	4.6	7.9	+1.8	16.3	18	-8.0	30	9.1	11.0	23	37	10	19	8	5	2	1	0	0	0	3	5	7	6
KIRTON	9 9	4	10.9	4.3	7.6	-	16.3	2	-10.0	30	9.7	11.3	20	-	6	19	8	5	3	3	0	0	0	5	5	9	-
LINCOLN	9 9	6	11.2	4.1	7.7	+1.6	16.3	18	-8.5	27.30	10.1	11.0	22	-	5	12	7	7	0	1	0	0	0	2	6	11	-
SKEGNESS	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUTTON BRIDGE	9 9	4	11.4	4.6	8.0	-	16.8	8	-9.0	30	-	-	19	34	6	24	9	5	2	0	0	0	0	2	5	9	-
WADDINGTON	21-9	68	11.1	5.6	8.3	+2.1	16.2	18	-5.7	30	-	-	19	30	5	24	7	5	2	0	0	0	0	2	5	9	6
3 EAST ANGLES																											
NORFOLK																											
COLTSHALL	21-9	17	11.9	5.7	8.8	-	17.7	2	-1.6	30	-	-	39	58	7	27	14	9	4	1	0	4	0	2	5	11	7
CROMER	9 9	54	11.9	6.1	9.0	+2.0	16.4	8	0.5	28	-	-	36	53	7	24	13	11	6	-	0	0	0	2	5	10	4
DORLESTON	9 9	2	11.8	6.3	9.1	+1.6	17.1	8	-0.8	27	10.1	11.7	30	44	9	26	9	7	1	-	0	2	0	1	2	7	-
HARHAM	21-9	23	11.2	4.3	7.7	-	17.1	8	-6.1	30	-	-	34	-	7	19	11	7	2	3	0	0	0	6	5	10	9
NORLEY ST BOTOLPH	9 9	46	11.2	4.8	8.0	-	16.5	2	-4.2	30	9.2	-	25	-	5	24	9	6	3	3	0	0	0	4	5	9	-
SANTON DOWNHAM	9 9	24	11.4	3.4	7.4	-	17.0	8	-9.7	30	9.6	10.9	27	41	7	19	9	7	-	-	-	-	2	8	17	-	
SCALE	9 9	27	11.6	4.7	8.1	-	17.0	2.8	-6.2	30	8.7	10.4	26	-	6	27	10	6	2	3	0	1	0	3	6	7	-
TERRINGTON ST CLEMENT	9 9	3	11.3	4.3	7.8	+1.5	16.5	2.8	-7.6	30	9.2	-	25	44	7	27	10	5	1	3	0	0	0	4	5	9	-
CAMBRIDGESHIRE																											
BOXNORTH	9 9	53	11.4	4.9	8.1	-	17.2	2	-9.5	30	-	-	15	28	5	24	8	5	1	1	0	0	0	4	5	6	-
CAMBRIDGE																											
BOTANIC GARDEN	9 9	12	12.2	4.3	8.3	+1.8	17.5	8	-8.6	30	9.3	11.2	19	37	7	28	6	5	2	3	0	0	0	4	6	10	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	24	12.6	4.5	8.5	-	17.2	5	-8.9	30	-	-	14	27	5	24	8	4	1	1	0	0	0	4	5	9	-
MARCH	9 9	2	11.6	4.6	8.1	-	17.4	8	-9.3	30	-	-	22	39	6	24	11	4	-	0	-	-	-	4	5	-	-
MARLM	9 9	21	11.7	4.3	8.0	-	16.7	8	-7.6	30	-	-	26	-	6	19	10	7	-	-	-	-	3	6	9	-	-
MEPAL	9 9	-2	11.5	4.1	7.8	-	17.1	8	-11.5	30	9.9	11.9	21	-	6	24	10	5	2	3	0	0	0	4	7	9	-
MONKS WOOD	9 9	39	11.8	4.6	8.2	-	16.9	8	-8.8	30	9.8	-	18	34	6	12	8	4	2	2	0	0	0	2	5	9	-
WITTERING	21-9	73	11.3	5.3	8.3	-	16.5	2	-7.6	30	-	-	21	-	6	19	9	5	1	0	0	0	0	2	5	9	-
WYTON	21-9	40	11.5	5.8	8.7	-	17.0	8	-8.7	30	-	-	22	43	7	19	7	4	2	0	1	0	0	3	5	7	6
SUFFOLK																											
ALDEBURGH	9 9	75	11.1	5.2	8.1	-	17.0	2	-7.5	30	9.0	10.8	17	30	5	24	9	6	2	3	0	0	0	2	5	6	-
BROOKS BARN	9 9	55	11.1	4.5	7.7	-	17.1	2	-8.1	30	9.4	-	19	-	5	24	9	6	3	3	0	1	0	4	6	9	-
CRAVENISH	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAST BERGHOLT	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARDLEY	9 9	58	10.8	4.8	7.8	-	16.7	2	-8.2	30	9.9	-	22	-	6	27	8	6	2	3	0	0	0	4	5	11	-
HONINGTON	21-9	49	11.1	5.2	8.1	-	16.6	2	-7.6	30	-	-	17	29	5	19	9	5	3								

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)												BRIGHT SUNSHINE																																		
			MEANS OF		DAILY MEAN (MEAN OF 24 H)	DIFFERENCE FROM 1961-70 AVERAGE	HIGHEST		LOWEST	MIN.	DATE	MAX.	DATE	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE	MOST IN A DAY	PRECIPITATION 0.2 MM OR MORE OR MORE OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS-ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	WET MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DRLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1961-70 AVERAGE	EXPOSURE																											
			MAX. (H)	MIN. (H)			MAX.	DATE																																																			
4 MIDLAND COUNTIES																																																											
WEST YORKSHIRE																																																											
BRAFORD ...	9 9	134	10.9	5.3	8.1	+2.2	15.9	4	-3.5	30		9.4	11.1	56	63	12	23	15	10	1	0	0	0	0	2	5	12	-	0	2.48	176	S																											
BRAHAM ...	21-9	232	10.0	5.0	7.5	+1.8	15.2	4	-5.3	30		8.1	9.1	85	81	15	23	19	13	2	0	0	0	0	1	5	11	7	6	-	-	-																											
HUDERSFELD (OAKES)	9 9	83	11.1	5.0	8.1	+2.2	16.0	4	-5.1	30		-	-	61	65	13	23	12	10	2	0	0	0	0	3	6	7	-	0	2.32	141	-																											
ILKLEY ...	9 9	78	11.5	5.3	8.4	+2.1	17.0	5	-6.2	30		-	-	18	30	5	23	9	6	2	0	0	0	0	2	5	-	-	0	-	-	-																											
PONTEFRAC ...	9 9	160	10.6	4.8	7.7	-	15.0	4	-4.6	27		-	-	101	-	18	18	16	13	1	0	0	0	3	0	1	6	-	2	-	-	-																											
TODMORDEN ...	9 9	262	9.9	4.2	7.1	-	14.3	4	-5.2	30		-	-	73	-	13	15	15	12	2	1	0	0	0	0	2	5	7	6	0	-	-																											
WILSON ...																																																											
SOUTH YORKSHIRE																																																											
FINNINGLEY ...	21-9	10	11.3	5.2	8.3	-	16.5	2.4.8	-7.5	30		-	-	21	34	6	23	8	7	2	0	0	0	0	1	7	12	-	0	2.91	-	-																											
SHEFFIELD																																																											
DORE ...	9 9	206	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																											
WESTON PARK ...	9 9	131	11.3	1 6.0	1 8.7	-	16.4	5	-3.6	30		9.3	11.3	50	57	8	23	12	11	1	0	0	0	0	-	4	-	-	0	2.38	164	S																											
DERBYSHIRE																																																											
ASHOVER ...	9 9	178	10.4	4.6	7.5	-	15.0	4	-6.1	30		-	-	48	-	10	18	12	9	1	0	0	0	1	0	6	7	-	0	2.79	-	-																											
BUXTON ...	9 9	307	9.4	4.1	6.7	+1.7	13.7	4	-4.8	30		8.4	9.3	111	87	32	18	16	12	2	5	0	0	0	0	-	5	7	-	2	-	-																											
DERBY ...	9 9	48	11.6	4.9	8.3	-	16.0	4	-5.4	30		-	-	29	46	5	19.21	12	7	0	0	0	0	0	2	5	9	-	0	2.14	-	-																											
WINGERWORTH ...	9 9	116	10.7	4.3	7.5	-	15.3	4	-8.5	30		9.6	-	38	-	9	12	12	8	1	0	0	0	1	1	4	7	14	-	0	2.98	-																											
NOTTINGHAMSHIRE																																																											
HANSFELD ...	9 9	114	10.6	5.0	7.8	+1.7	15.3	4	-5.0	30		-	-	34	-	8	19	11	7	0	0	0	0	1	2	5	-	-	1	-	-	-																											
NEATHOMPE ...	9 9	58	11.3	1 4.3	1 7.8	-	15.4	8	-7.5	30		-	-	35	-	6	12	11	9	-	0	-	-	-	-	-	-	-	-	-	-	-																											
NOTTINGHAM ...	9 9	59	11.6	-	-	-	15.7	19	-	-		9.6	11.2	54	91	17	21	12	9	0	0	0	0	0	4	-	9	-	2	2.46	163	-																											
SUTTON BONINGTON ...	9 9	48	11.8	4.2	8.0	+1.8	16.2	4.18	-8.0	30		9.8	11.2	29	49	7	24	10	8	0	0	0	0	0	3	8	10	8	0	2.40	141	-																											
WARSOP ...	9 9	46	11.2	4.3	7.7	-	15.6	4	-5.6	30		-	-	27	40	6	12	9	7	0	0	0	0	0	3	8	10	-	0	2.80	-	-																											
WATNALL ...	21-9	117	10.9	5.5	8.2	+1.9	16.0	4	-5.0	30		-	-	33	47	6	19	11	8	1	0	0	0	0	4	6	11	9	0	2.37	145	-																											
STAFFORDSHIRE																																																											
KEELE ...	9 9	179	10.1	4.6	7.3	-	15.3	4	-5.2	28		8.8	10.6	51	66	13	18	13	7	2	5	0	1	0	2	5	8	8	0	1.83	-	-																											
DAKEN ...	9 9	125	10.6	4.3	7.5	+1.6	15.7	4	-6.5	29		9.6	-	31	44	8	12	12	7	1	1	0	0	0	4	6	7	-	0	-	-	-																											
PENKIDGE ...	9 9	101	10.7	4.5	7.6	-	15.7	4	-6.5	28.29		-	-	37	55	10	12	12	8	2	1	0	0	0	1	5	8	-	0	2.05	-	-																											
STONE ...	9 9	107	10.4	3.7	7.1	-	16.2	4	-6.2	27		-	-	44	62	12	25	11	9	2	2	0	0	0	3	8	12	-	0	1.81	-	-																											
LEICESTERSHIRE																																																											
CALDECOTT ...	9 9	53	11.4	4.0	7.7	-	16.3	2	-7.8	30		-	-	18	32	7	19	7	5	1	0	0	0	0	5	8	11	-	1	2.68	-	-																											
NEWTOWN LINCOLD ...	9 9	119	10.9	4.4	7.7	-	15.4	8	-7.4	30		-	-	31	47	8	19	9	7	1	0	0	0	0	2	6	10	-	0	2.65	-	-																											
SALOP																																																											
HARPTON LODGE ...	9 9	70	11.6	4.9	8.3	-	16.6	4	-8.0	30		-	-	41	-	10	18	11	8	-	-	-	-	-	-	4	-	-	-	2.26	-	-																											
NEWPORT ...	9 9	64	11.1	4.3	7.7	+1.8	16.6	2	-6.2	29		-	-	41	64	8	18	13	9	1	1	0	0	0	1	6	11	-	0	2.12	133	S																											
OSWESTRY ...	9 9	174	10.6	5.2	7.9	+1.6	15.0	2	-3.9	29		-	-	91	99	18	18	19	15	3	3	-	-	-	1	4	12	-	0	1.90	102	S																											
PRESTON HONFORD ...	9 9	67	11.7	4.8	8.3	-	17.5	2	-7.2	29		9.5	10.8	42	-	9	23	13	11	2	0	0	0	0	1	5	8	-	0	2.00	-	-																											
SHARWORTH ...	21-9	72	11.2	5.3	8.3	+2.0	16.7	2	-6.7	29		-	-	66	9	25	14	10	3	0	0	0	0	1	2	5	11	8	0	1.90	110	-																											
SHREWSBURY	9 9	56	11.5	4.8	1 8.1	+1.6	16.7	2	-6.4	29		10.1	11.7	37	60	8	12	13	9	0	0	0	0	0	1	5	-	0	2.21	126	-	-																											
WEST MIDLANDS																																																											
BIRMINGHAM																																																											
EDBASTON ...	21-9	163	10.7	6.3	8.5	+2.0	15.1	4	-3.4	28		9.7	11.2	40	50	11	24	12	6	2	1	0	0	1	0	1	4	7	9	7	0	2.64	166	-																									
ELDON AIRPORT ...	21-9	96	11.2	5.3	8.3	+2.0	16.0	4	-8.0	30		-	-	28	-	7	24	10	5	2	0	0	0	0	1	3	7	10	9	0	2.87	170	-																										
KING EDWARD'S SCHOOL	9 9	137	12.1	4.2	8.1	-	15.9	15	-6.3	30		-	-	53	72	10	24	15	9	-	0	-	-	-	-	-	1	5	-	0	-	-	-																										
COVENTRY AIRPORT ...	9 9	81	11.2	4.1	7.7	-	15.5	4	-6.8	30		-	-	10.0	10.8	31	-	9	12	11	5	0	0	0	0	3	6	-	-	0	2.74	-	-																										
WARWICKSHIRE																																																											
LUDDINGTON ...	9 9	56	11.7	4.4	8.1	-	16.0	1.8	-6.4	29		-	-	23	-	5	24	9	5	1	0	0	0	0	0	4	7	11	-	0	2.51	-	-																										
MORETON MORRELL ...	9 9	85	11.8	4.8	8.3	-	16.0	1.4	-6.6	29		-	-	25	42	6	23	11	6	0	0	0	0	0	3	8	10	-	1	2.63	-	-																											
RUGBY ...	9 9	116	11.1	4.3	7.7	+1.6	15.6	8	-6.1	30		8.7	10.9	27	43	7	19	9	5	0	0	0	0	0	0	6	6	0	-	3	3.07	157	-																										
SHIPSTON-ON-STOUR ...	9 9	111	11.7	5.3	8.5	+2.2	16.1	4	-5.0	29	</																																																

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT MIN. OF OBSERVATION HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE									
		MEANS OF		DAILY MEAN (MEAN OF 24 H)	DIFFERENCE FROM 1961-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		50 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	0.2 MM OR MORE IN 24 H	SHOW OR SLEET	SHOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS FROST BELOW 0 DEG C	CONCRETE FROST BELOW 0 DEG C	DRLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1961-70 AVERAGE	EXPOSURE		
		MAX. (H)	MIN. (H)			MAX.	DATE	MIN.	DATE																						
5 ENGLAND SE & CENTRAL S.																															
GREATER LONDON																															
BROMLEY ...	9 9	65	12.1	5.8	8.9	+1.8	18.0	8	-5.0	28	-	-	13	19	5	12	5	5	-	0	-	-	-	-	-	-	-	-	-	-	
GREENWICH ...	9 9	7	12.4	6.5	9.5	-	17.4	8	-5.5	30	-	-	17	27	6	12	6	5	1	0	-	-	-	-	-	-	-	-	-	-	
HAMPSTEAD ...	9 9	137	11.4	-	-	-	16.4	1.7	-	-	-	-	15	21	4	12	6	5	1	0	-	-	-	-	-	-	-	-	-	-	
HAMPTON ...	9 9	12	12.1	6.3	9.2	+1.9	17.2	8	-3.5	27.30	-	-	16	25	6	12	7	4	1	0	-	-	-	-	-	-	-	-	-	-	
HARROW HEALD ...	9 9	98	12.1	5.1	8.6	-	17.0	8	-4.3	30	11.1	12.4	18	-	6	19	8	4	-	-	-	-	-	-	-	-	-	-	-	-	
HEATHROW AIRPORT ...	21-9	25	12.5	6.5	9.5	+2.3	17.7	1	-4.4	30	-	-	8	13	3	12	6	3	1	0	-	-	-	-	-	-	-	-	-	-	
KENSINGTON PALACE ...	9 9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KEW ...	21-9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PSYCHROMETER ...	21-9	5	12.0	5.7	8.9	-	17.3	8	-7.2	30	10.5	11.8	13	21	6	12	7	4	1	0	-	-	-	-	-	-	-	-	-	-	-
NORTH WALL SCREEN ...	9 9	7	12.1	7.0	9.5	+2.0	17.3	2	-3.7	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LONDON																															
WEATHER CENTRE (X) ...	21-9	77	12.9	8.3	10.6	-	17.3	2	-0.4	28	-	-	12	-	5	12	5	4	1	0	-	-	-	-	-	-	-	-	-	-	-
ST JAMES PARK ...	9 9	9	12.4	7.3	9.9	+2.2	17.5	2	-1.4	27.30	-	-	14	23	5	12	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTHWATE ...	9 9	67	12.0	6.0	1 (9.0)	+2.0	17.1	1	-4.1	30	10.6	-	19	29	6	24	6	5	1	1	0	-	-	-	-	-	-	-	-	-	-
WADDON ...	9 9	59	12.1	6.3	9.2	+2.1	17.5	18	-6.0	30	-	-	15	21	5	12	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-
MILTSHIRE																															
BOSCOMBE DOWN ...	21-9	126	11.4	5.4	8.4	+1.7	16.5	2	-5.0	29	10.2	11.8	26	32	9	19	10	6	0	0	0	0	5	11	9	1	-	-	-	-	-
LACOCK ...	9 9	49	11.7	4.1	7.9	-	16.3	1	-8.9	27	-	-	24	32	7	18	15	6	1	0	0	0	5	6	10	-	-	-	-	-	-
LARKHILL ...	9 9	132	11.6	5.1	8.3	+1.9	16.7	5	-4.9	27	-	-	33	40	13	19	12	7	1	0	0	0	4	9	7	-	-	-	-	-	-
LYNEHAM ...	21-9	145	10.9	5.6	8.3	+1.8	15.3	8	-5.2	29	-	-	31	41	8	18	11	8	1	0	0	0	4	5	9	8	-	-	-	-	-
PORTON ...	9 9	111	11.5	4.8	8.1	+1.8	17.0	5	-6.4	29	9.9	-	24	28	7	19	10	6	-	-	-	-	-	-	-	-	-	-	-	-	-
TROWBRIDGE ...	9 9	37	11.7	4.2	7.9	-	16.6	2	-8.1	27	9.9	-	32	-	11	18	11	7	2	0	0	0	5	10	-	-	-	-	-	-	-
UPVAVON ...	21-9	179	10.8	5.3	8.1	-	16.9	8	-4.8	27	-	-	30	36	9	19	15	5	1	0	0	0	5	6	9	6	-	-	-	-	-
BERKSHIRE																															
EASTHAMPTON ...	9 9	77	11.7	4.4	8.1	-	17.1	8	-8.2	29	10.2	11.2	15	-	4	19	6	4	0	0	0	0	2	7	10	8	-	-	-	-	-
HURLEY ...	9 9	43	11.8	4.8	8.3	-	16.8	8	-5.9	30	9.5	-	21	29	7	19	11	4	1	0	0	0	7	5	10	-	-	-	-	-	-
LADYDOWN (WARREN FARM) ...	9 9	192	10.7	4.9	7.8	-	15.6	8	-4.2	28	9.9	-	33	-	10	18	12	5	0	0	0	0	3	5	12	7	-	-	-	-	-
READING ...	9 9	66	11.7	5.4	8.5	-	17.4	8	-4.5	29	10.1	11.7	21	-	9	12	8	5	0	0	0	0	3	5	10	-	-	-	-	-	-
SHINFIELD (N.I.R.D.) ...	9 9	62	11.7	5.3	8.5	-	17.5	8	-5.2	27	-	-	22	-	10	12	8	5	0	0	0	0	5	10	-	-	-	-	-	-	-
SURREY																															
WISLEY ...	9 9	32	12.4	5.6	9.0	+2.2	17.5	8	-7.6	30	9.8	11.6	19	27	10	12	11	4	0	0	0	0	1	6	8	-	-	-	-	-	-
KENT																															
DOVER R.M.S. ...	9 9	123	-	6.2	-	-	-	-	-1.7	27	-	-	28	24	5	28	10	8	2	1	0	0	0	1	4	-	-	-	-	-	-
DUNGENESS ...	9 9	6	12.1	7.4	9.7	-	16.5	5	-4.3	30	-	-	14	16	5	19	10	4	2	0	0	0	0	5	11	7	-	-	-	-	-
EAST MALLING ...	9 9	52	12.0	5.7	8.9	+2.2	17.0	8	-6.1	30	9.7	11.3	13	17	5	12	7	5	2	1	0	0	2	5	11	7	-	-	-	-	-
EDENBRIDGE ...	9 9	45	11.8	2.9	7.3	-	17.0	1.8	-10.6	30	-	-	12	-	4	15	9	5	1	0	0	0	1	6	-	-	-	-	-	-	-
ELSTON ...	9 9	5	12.4	4.7	8.5	-	18.4	5	-6.7	30	-	-	19	22	5	12	9	6	1	0	0	0	1	6	-	-	-	-	-	-	-
FAVERHAM ...	9 9	48	11.8	6.1	8.9	-	16.9	5	-4.6	30	9.7	11.5	14	17	4	12	8	5	2	0	0	0	1	3	9	-	-	-	-	-	-
FOLKESTONE ...	9 9	31	11.6	5.9	8.7	-	15.7	5	-3.9	30	-	-	12	17	18	5	28	9	6	2	0	0	0	0	6	14	-	-	-	-	-
GILLINGHAM ...	9 9	3	12.4	7.1	9.7	-	17.5	2.8	-4.5	30	-	-	14	21	5	12	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-
GOODHURST ...	9 9	85	11.1	5.0	8.1	+1.8	15.6	2	-7.2	30	-	-	15	16	6	12	6	4	1	0	0	0	3	5	11	-	-	-	-	-	-
HADLOW COLLEGE ...	9 9	27	11.7	4.5	8.1	-	17.2	8	-6.5	30	9.7	11.8	14	-	6	12	6	5	2	0	0	0	0	7	13	-	-	-	-	-	-
HERNE BAY ...	9 9	31	11.9	6.2	9.1	-	17.0	1.2.5	-3.0	30	10.5	-	20	-	5	28	10	7	0	0	0	0	1	2	5	-	-	-	-	-	-
HANSTON ...	21-9	44	11.6	6.3	8.9	-	16.8	5	-3.0	30	-	-	21	25	4	12	9	7	3	0	0	0	0	1	2	2	-	-	-	-	-
HARROGATE ...	9 9	16	12.0	7.7	9.9	+1.7	16.7	5	-0.1	30	10.1	11.9	21	-	5	12	9	7	1	0	0	0	2	0	0	1	-	-	-	-	-
ULCOMBE ...	21-9	47	11.8	4.9	8.3	-	17.1	8	-6.6	30	-	-	14	-	5	12	9	7	2	0	0	0	3	6	12	9	-	-	-	-	-
WYE ...	9 9	56	11.6	5.7	8.7	+1.9	17.0	5	-4.5	30	10.4	11.6	19	21	5	12	8	6	3	1	0	0	0	3	5	14	-	-	-	-	-
HAMPSHIRE																															
ALICE HOLT LODGE ...	9 9	115	11.3	5.1	8.2	+1.9	15.9	1.8	-5.1	27	-	-	20	22	6	12	11	4	0	0	0	0	4	6	11	-	-	-	-	-	-
EVERTON ...	9 9	16	12.5	6.8	9.7	-	16.3	8	-3.1	29	-	-	14	15	5	18	6	4	0	0	0	0	2	5	8	-	-	-	-	-	-
HAYLING ISLAND ...	9 9	4	12.5	7.6	10.1	-	16.5	4	-2.0	27	-	-	12	15	3	15	8	5	0	0	0	0	1	4	-	-	-	-	-	-	-
LECKFORD ...	9 9	117	11.2	5.5	8.3	+1.8	16.5	8	-4.8	27	9.7	-	26	29	7	19	12	6	0	0	0	0	3	5	7	-	-	-	-	-	-
LONG SUTTON ...	9 9	145	11.1	5.6	8.3	-	16.4	8	-7.0	28	10.0	11.7	53	60	32	15	9	5	0	0	0	0	2	5	7	-	-	-	-	-	-
MARTY WORTHY ...	9 9	84	11.1.8	5.1	8.5	-	16.9	8																							

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TEMP. (°C)	MIN. TEMP. (°C)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE																									
			MEANS OF		DAILY MEAN (MEAN OF A.B.)	DIFFERENCE FROM 1961-70 AVERAGE	HIGHEST MAXIMUM	LOWEST MINIMUM	NO CH DEGREES C	100 CH DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1961-70 AVERAGE	EXPOSURE																					
			MAX. (A)	MIN. (B)																																												
7A ENGLAND AND I.O.M.																																																
CUMBRIA																																																
CARLISLE	21-9	26	10.9	6.4	8.7	-	15.9	6	-5.1	29	9.8	11.2	98	119	16	23	18	16	2	0	0	6	7	5	0	2.03	-																					
CARTMEL	9 9	35	10.6	5.0	7.8	-	14.1	7	-7.1	27	-	-	159	-	25	15	18	16	0	0	0	5	6	-	0	-	-																					
CRIZEDALE	9 9	31	10.5	4.2	7.3	-	14.0	3	-6.2	27	-	-	180	92	29	17	21	18	0	0	1	5	8	1	1.22	-																						
MOOR HOUSE	9 9	556	7.0	1.8	4.4	-	13.4	6	-8.0	29	6.9	-	222	101	40	14	20	18	5	6	0	7	13	9	1.74	99																						
NEWTON RIDG	9 9	171	10.4	4.5	7.5	+2.0	16.0	18	-5.8	27	8.5	-	118	119	29	15	17	16	1	0	0	4	6	1	-	-	-																					
SELLAFIELD	9 9	13	-	7.0	-	-	-	-	-2.4	27	-	-	120	107	26	23	19	16	0	0	0	1	3	6	1	-	-																					
LANCASHIRE																																																
HAZELRIGG	9 9	95	10.6	6.1	8.3	-	14.8	7	-3.2	28	9.2	-	127	-	27	18	18	13	1	0	0	4	6	3	1.79	-																						
HELSHORE	9 9	260	9.4	4.7	7.1	-	13.5	4	-4.0	27.28	9.1	-	138	91	24	18	17	14	0	0	2	5	6	-	2.11	-																						
KIRKHAM	9 9	24	11.0	5.9	8.5	-	16.0	4	-6.0	29	-	-	93	102	19	18	13	11	0	0	0	4	7	-	1.90	-																						
MARREBORO	9 9	7	11.1	6.8	8.9	+2.0	14.9	4.7	-3.7	27	-	-	128	133	24	18	17	14	0	0	0	4	7	-	1.74	93																						
PRESTON	9 9	33	11.3	6.1	8.7	-	15.6	4	-5.4	27	-	-	112	114	20	23	15	12	1	0	0	4	7	-	-	-	-																					
SLAIDBURN	9 9	192	10.0	4.8	7.4	-	14.0	11	-4.7	29	-	-	224	143	51	14	20	16	2	0	5	0	5	7	-	1.61	-																					
SQUIRES GATE AIRPORT	21-9	10	11.1	6.7	8.9	+1.9	15.9	4	-5.4	27	-	-	82	96	18	18	14	11	2	0	0	4	6	5	1.90	103	-																					
STONYHURST	9 9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																						
MERSEYSIDE																																																
ALIBURTH	9 9	12	12.1	6.8	9.5	-	16.6	5	-2.8	28	-	-	75	-	17	18	12	8	1	0	2	4	6	5	1.91	-	-																					
BIDSTON	9 9	60	11.4	6.9	9.1	-	15.8	4	-1.7	28	-	-	65	-	12	23	10	9	2	0	3	0	4	6	2	2.10	-																					
ST HELENS	9 9	76	11.2	5.5	8.3	-	16.7	4	-4.6	28	8.7	-	69	-	19	18	13	9	0	-	1	3	1	5	-	1.91	-																					
SOUTHPORT	9 9	5	11.2	6.0	8.6	+1.9	16.3	4	-4.3	29	9.2	11.7	106	124	20	23	13	10	-	-	-	-	7	-	2.15	116	-																					
WEST KIRBY PARK	9 9	7	-	7.4	-	-	-	-	-0.4	29.30	-	-	64	82	17	23	13	8	-	0	-	2	6	-	-	-	-																					
GREATER MANCHESTER																																																
BOLTON	9 9	107	10.7	5.1	7.9	-	15.1	4	-3.6	27	9.6	10.6	80	-	17	18	15	13	0	0	2	1	0	1	4	1.05	136	5																				
MANCHESTER																																																
RINDWAY AIRPORT	21-9	75	10.9	6.2	8.5	+2.0	15.8	4	-4.7	27	-	-	66	84	22	18	10	8	1	0	1	0	0	5	8	2.50	152	-																				
WEATHER CENTRE (X)	21-9	69	11.6	7.3	9.5	-	16.3	4	-2.7	27	-	-	68	-	24	18	11	7	1	-	0	2	0	0	3	-	2.49	-																				
CHESHIRE																																																
KNUTSFORD	9 9	65	11.1	4.5	7.8	-	16.0	4	-6.2	27	9.5	10.9	65	79	20	18	10	9	0	0	1	0	1	5	9	-	-	-																				
MACLESFIELD	9 9	152	10.3	4.9	7.6	+1.7	15.5	4	-5.5	28	-	-	76	86	19	18	14	10	1	1	1	0	5	-	-	-	-																					
NESS GARDENS	9 9	30	11.7	5.4	8.5	-	16.5	4	-4.2	29	9.2	-	60	80	15	25	11	8	0	0	3	0	1	0	4	2.06	-	5																				
ISLE OF MAN																																																
DOUGLAS	9 9	85	10.9	6.8	8.9	+1.4	14.7	7	-2.1	28	-	-	105	87	17	23	22	18	0	0	3	0	1	1	3	1.42	67	-																				
POINT OF AYRE	21-9	9	11.5	7.5	9.5	+1.2	15.9	4	0.6	25.28	-	-	87	97	14	25	20	16	1	0	2	0	0	0	4	-	1.52	78																				
RONALDSWAY AIRPORT	21-9	16	11.4	7.7	9.5	+1.5	15.2	7	-2.4	28	-	-	79	86	15	23	21	12	3	0	0	3	1	1	4	1.55	75	-																				
7B WALES																																																
GWYNEDD																																																
BALA	9 9	163	11.0	4.4	7.7	-	15.3	1	-6.3	28	9.5	10.9	188	137	35	18	20	17	3	2	2	0	0	3	5	11	8	1.63	-																			
BARDSEY ISLAND	21-9	15	11.8	9.1	10.5	-	14.6	7	1.9	28	-	-	50	49	15	15	15	7	0	0	0	0	0	4	8	4	-	-																				
BETWS-Y-COED	9 9	20	-	5.3	-	-	-	-	-5.4	29	9.6	-	228	-	32	23	23	18	1	5	0	0	0	0	0	1	-	-	-																			
BOTANNOG	9 9	34	12.3	7.4	9.9	-	16.6	3	-2.3	28	10.7	12.4	80	63	17	23	21	14	0	0	0	0	2	3	-	1.34	-	-																				
CWYSTYDOLLYN	9 9	204	10.6	5.7	8.1	-	14.5	7	-2.0	29.30	-	-	193	-	30	18	21	18	-	-	-	-	3	-	3	1.31	-	-																				
LLYN ALW	9 9	44	11.5	6.7	9.1	-	17.0	7	-2.0	30	-	-	105	-	27	18	20	13	-	-	-	-	3	-	-	1.73	-	-																				
PEN-Y-FFRIDD	9 9	84	11.5	6.5	9.0	-	16.1	7	-1.7	28	-	-	140	116	29	18	24	18	2	0	2	0	0	3	6	-	1.79	5																				
TRANSYNYDD	9 9	193	10.8	5.8	8.3	-	15.0	1	-4.0	27	-	-	197	118	47	18	25	21	2	1	-	-	1	4	6	-	-	-																				
VALLEY	21-9	10	11.7	8.4	10.1	+1.8	17.0	7	-1.9	28	-	-	74	74	16	23	17	10	2	0	2	0	0	2	4	3	1.80	87	-																			
CLYDD																																																
ALWEN	9 9	335	9.5	3.2	6.3	-	13.2	4	-9.0	29	-	-	185	137	32	23	20	17	4	6	1	4	0	1	7	14	-	-	-																			
BWLCHWYN	9 9	386	9.0	4.1	6.5	-	14.0	4	-5.3	29	8.1	-	97	79	29	23	19	15	6	5	0	0	0	1	5	10	-	-	-																			
COLWYN BAY	9 9	18	12.1	6.9	9.5	-	15.8	4	-1.8	29	10.3	-	72	88	21	23	17	11	0	0	1	0	0	0	2	-	2.24	129	-																			
CONWEN	9 9	144	11.1	3.7	7.4	-	15.7	4	-8.5	29	-	-	145	127	26	23	19	16	3	3	0	1	0	4	8	15	-	-	-																			
HMARDEN BRIDGE	9 9	5	12.1	5.6	8.9	+1.8	17.2	4	-5.2	29	-	-	56	73	15	23	12	8	3	0	1	1	0	4	-	1	-	-	-																			
LOGGHEHEADS	9 9	210	10.5	4.2	7.3	-	15.0	4	-7.0	29	9.2	10.1	72	76	23	23	17	12	4	5	0	1	0	4	11	-	1.68	5																				
PRESTATYN	9 9	4	11.2	6.1	7.0	-	16.1	1	-3.7	29	-	-	50	69	16	23	12	11	0	-	-	-	3	-	-	2.15	124	-																				
RUTHIN	9 9	76	11.9	5.2	8.5	-	16.6	4	-5.5	29	-	-	74	87	25	23	18	13	3	2	0	2	0	0	6	8	-	2.32	-																			
POWYS(NORTH)																																																
HOPE	9 9	91	-	-	-	-	-	-	-	-	-	-	290	171	46	18	21	17	4	5	2																											

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE		MAX. TEMPERATURE MIN. OF STATION HEIGHT OF OBSERVATION ABOVE SEA LEVEL (METRES)		AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				MEANS OF		DAILY MEAN (MEAN OF 24 H)	DIFFERENCE FROM 1961-70 AVERAGE	HIGHEST MAXIMUM	LOWEST MINIMUM	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	0-2 MM OR MORE 1-0 MM OR MORE	SNOW OR SLEET LYING AT 9H	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS FROST BETWEEN 0-5 C	CONCRETE MIN. BETWEEN 0-5 C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1961-70 AVERAGE	EXPOSURE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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WEST GLAMORGAN		21-9	36	12.1	8.8	10.5	-	15.7	2	-0.5	28	-	-	-	-	-	-	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL WINDY MIN. OF OBSERVATION HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)		WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE											
		MEANS OF		DAILY MEAN (MEAN OF A-B)	DIFFERENCE FROM 1961-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1961-70 AVERAGE AMOUNT (MM)	MOST IN A DAY	PRECIP- ITATION	0.2 MM OR MORE 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1961-70 AVERAGE	EXPOSURE				
		MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																								
NORTHERN IRELAND																																	
LONDONDERRY																																	
AGHARLOO	99	18	11.4	5.2	8.3	-	-	16.5	4	-3.5	28	-	97	-	26	14	19	18	1	0	1	1	0	0	0	2	8	-	-	-	-	-	
BANAGHER (CAUGH HILL)	99	216	9.8	4.1	6.9	-	-	14.2	4	-4.5	28	-	157	-	32	14	24	22	3	1	1	0	0	0	5	9	-	9	1.82	-	-	-	
CARRONE	99	73	10.6	5.4	8.0	-	-	15.0	4	-3.0	28.29	-	114	-	37	14	22	21	0	0	0	0	0	2	5	9	-	1	1.48	-	-	-	
COLERAINE UNIVERSITY	99	23	11.1	5.1	8.1	-	-	16.2	4	-4.5	28	9.5	11.0	92	-	21	14	23	19	5	0	2	0	0	0	3	8	-	-	-	-	-	
COOKEBERGH	99	3	11.2	5.4	8.3	-	-	16.1	4	-3.0	28	-	116	-	45	14	20	18	-	-	-	-	-	-	3	8	-	-	-	-	-	-	
DEERYNOTO FOREST	99	88	10.8	4.3	7.5	-	-	15.4	4	-5.5	28	-	144	120	19	14	23	21	1	2	1	0	0	1	5	9	-	-	-	-	-	-	
GARYVAH FOREST	99	88	10.7	4.2	7.5	-	-	15.7	4	-4.9	28	-	107	97	18	14	24	16	-	1	0	0	0	0	6	9	-	-	-	-	-	-	
LOUGHMARE FOREST	99	174	10.0	4.2	7.1	-	-	14.4	5	-6.5	28	-	150	136	39	14	23	22	6	5	4	2	0	0	0	6	9	-	-	-	-	-	
MONEYTO	99	34	11.0	4.2	7.6	-	+1.5	16.2	4	-6.1	28	10.4	-	104	110	19	14	23	19	2	0	3	0	0	2	4	13	6	0	-	-	-	
TRAID POINT	99	16	10.9	5.2	8.1	-	-	15.8	4	-5.3	28	-	77	-	16	14	21	14	1	-	0	0	0	0	3	-	-	-	-	-	-	-	
ANTRIM																																	
ALDERGROVE AIRPORT	21-9	68	10.5	5.7	8.1	+1.7	-	15.7	4	-5.2	28	9.6	11.4	100	119	11	14	19	17	4	0	2	0	0	1	4	6	4	0	1.58	84	-	-
ALTANINCH	99	213	9.2	3.7	6.5	-	-	13.5	4	-5.5	28	-	129	86	21	14	23	20	6	5	2	0	1	2	6	8	-	1	1.06	-	-	-	
BALLYLUFFORD	99	24	11.3	6.3	8.8	-	-	15.4	5	0.0	29	-	89	-	13	12	20	16	-	-	-	-	-	0	6	-	-	-	-	-	-	-	
BALLYPATRICK FOREST	99	152	10.1	4.2	7.1	-	-	14.7	4	-6.3	28	-	128	99	18	14	23	20	3	-	0	0	0	0	4	7	-	0	1.77	-	-	-	-
CARLLOUGH	99	12	11.1	4.7	7.9	-	-	16.0	5	-3.1	28	-	119	-	17	14	22	18	0	-	0	0	0	0	3	-	-	-	-	-	-	-	-
OLIVIS MOUNTAIN	99	363	8.4	2.5	5.5	-	-	12.3	3.17	-7.0	28	-	180	158	20	14	23	20	3	-	2	0	0	0	8	-	-	-	-	-	-	-	-
GREENMOUNT	99	38	11.0	5.5	8.3	-	-	15.8	4	-5.6	28	10.0	-	102	126	17	14	19	18	1	1	0	0	0	4	6	-	-	-	-	-	-	-
HYDE PARK (MALLUSKI)	99	140	10.3	4.9	7.6	-	-	15.0	4	-4.8	28	-	147	-	16	14	24	21	2	3	0	1	0	0	3	8	-	-	-	-	-	-	-
KILROD POWER STATION	99	12	11.2	6.2	8.7	-	-	15.4	4	-0.1	28	-	103	-	14	14	21	17	0	0	0	0	0	1	6	-	-	-	-	-	-	-	-
LISNAPILLAN	99	38	10.9	4.2	7.5	-	-	15.7	4	-6.5	28	-	98	104	15	14	18	15	1	0	0	0	0	0	7	10	-	-	-	-	-	-	-
LINTOWN	99	271	9.0	3.8	6.4	-	-	13.4	4	-8.0	28	8.5	-	139	104	20	14	24	20	3	5	0	0	0	7	5	-	-	-	-	-	-	-
PARKMORE FOREST	99	235	9.0	3.3	6.1	-	-	13.5	4	-6.0	28	8.9	-	166	100	23	14	24	22	3	6	0	0	1	0	5	11	-	-	-	-	-	-
WOODBURN NORTH	99	217	9.4	4.5	6.9	-	-	14.0	4	-3.5	27.28	-	151	134	21	14	23	21	2	4	0	0	0	1	5	8	-	-	-	-	-	-	-
BELFAST																																	
ANDERSONSTOWN	99	64	11.1	5.3	8.2	-	-	16.1	3	-2.5	28	-	122	-	15	23	21	17	1	-	0	0	0	0	2	7	-	-	-	-	-	-	-
MALONE	99	35	11.2	5.3	8.3	-	-	16.1	4	-3.5	28	10.4	-	108	-	14	14	21	18	-	-	-	-	-	4	9	-	-	-	-	-	-	-
MILLTOWN	99	37	11.4	5.4	8.4	-	-	15.8	4	-2.7	28	-	98	-	14	14	20	18	2	2	1	3	0	1	4	7	-	-	-	-	-	-	-
NEWTOWNABEY	99	32	11.3	6.4	8.9	-	-	15.8	4	-0.6	28	10.0	-	128	132	15	14	21	19	1	0	1	0	0	1	2	3	4	0	1.38	-	5	-
ROSEBANK	99	47	11.3	5.2	8.3	-	-	16.0	4	-2.0	29	-	102	-	14	14.29	20	17	2	0	0	0	0	4	-	-	-	-	-	-	-	-	-
ROSETH	99	24	11.2	5.3	8.3	-	-	16.6	3	-3.0	28	-	98	112	13	14	21	18	-	-	-	-	0	3	-	-	-	-	-	-	-	-	-
STORMONT CASTLE	99	56	11.0	5.4	8.2	-	-	16.2	4	-1.9	28	9.7	11.3	100	114	15	29	21	16	1	2	0	0	0	1	4	10	-	-	-	-	-	-
DOWN																																	
BANDOR SEACOURT	99	15	11.4	6.6	9.0	-	-	16.2	4	0.8	29	10.2	12.0	101	-	15	29	22	17	2	0	0	0	1	1	0	2	1	0	1.74	-	-	-
BALLYWATER PARK	-	11	-	-	-	-	-	-	-	-	-	-	-	88	110	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYWATTCOCK	99	6	11.1	6.1	8.6	-	-	15.3	4	-1.7	29	9.2	10.5	82	110	11	14	20	16	3	0	0	1	0	1	2	5	7	0	2.12	-	-	-
DOWNPATRICK	99	26	11.8	6.3	9.1	-	-	16.7	4.5	-2.8	29	-	76	-	18	28	14	12	-	-	-	-	-	1	3	6	-	-	-	-	-	-	-
HELENS BAY	99	43	11.0	6.2	8.6	-	-	15.6	4	-1.5	29	-	101	124	16	29	22	16	1	0	0	2	0	1	1	6	-	-	-	-	-	-	-
HILLSBOROUGH	99	116	10.8	5.2	8.0	+1.7	-	15.1	5	-4.1	28	9.9	-	96	114	15	14	21	13	1	-	0	0	0	0	4	10	-	-	-	-	-	-
MAGHERALLY	99	97	10.6	3.9	7.3	-	-	15.4	4	-7.1	28	-	77	-	14	14	21	14	3	1	0	1	-	-	5	11	-	-	-	-	-	-	-
MURLLOUGH	99	9	11.8	5.3	8.5	-	-	17.3	4	-9.0	28	9.6	10.5	89	-	19	14	19	12	2	0	0	0	1	5	5	-	-	-	-	-	-	-
NEWRY	99	1	11.9	5.2	8.5	-	-	17.0	4	-5.8	28	-	80	-	13	14	18	15	-	0	-	-	0	4	6	-	-	-	-	-	-	-	-
SILENT VALLEY	99	129	11.0	5.4	8.2	-	-	17.0	4	-4.5	28	-	117	-	21	30	21	16	0	0	0	0	0	-	4	7	-	-	-	-	-	-	-
ARMAGH																																	
ARMAGH	99	62	10.8	5.3	8.1	+1.6	-	15.4	4	-5.1	28	9.9	11.6	77	100	15	14	21	16	2	1	0	0	0	1	4	8	-	-	-	-	-	-
LOUGHGALL	99	25	11.3	5.1	8.2	-	-	16.0	4	-5.6	28	-	95	132	18	3	22	17	2	-	0	0	0	2	5	11	-	-	-	-	-	-	-
LURGAN	99	55	11.2	5.1	8.1	-	-	16.0	4	-5.9	28	9.9	11.6	105	138	26	3	20	17	1	-	0	0	0	4	8	-	-	-	-	-	-	-
TANDAROE	99	43	11.7	5.0	8.3	-	-	16.8	4	-6.9	28	-	67	-	15	14	17	14	1	-	0	0	0	-	4	-	-	-	-	-	-	-	-
TYRONE																																	
ALTRAVEEDAH	99	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CARRIGANS	21-9	113	10.4	5.4	7.9	-	-	14.6	4	-4.8	28	-	162	157	32	14	21	21	2	1	3	0	0	1	4	9	6	0	1.33	-	-	-	-
COOKSTOWN	99	77	10.6	4.8	7.7	-	-	15.3	4	-5.0	28	9.2	-	101	-	17	14	21	18	2	0	0	0	0	5	7	-	-	-	-	-	-	-
LOUGH BRADAH	99	169	9.7	1.5	5.6	-	-	14.5	5	-8.7	28	-	190	148	39	14	24	21	-	0	-	-	-	1	9	10	-	-	-	-	-	-	-
POWEROY FOREST	99	174	9.8	4.2	7.0	-	-	14.4	5	-6.8	28	9.3	-	131	125	19	14	21	19	1	4	0	0	0	3	5	7	-	-	-	-	-	-
STRABANE CONVENT	99	44	10.8	5.1	7.9	-	-	15.4	13	-5.5	29	-	138	156	42	14	21	18	1	0	1	0	0	1	3	-	-	-	-	-	-	-	-
TIFFENNY	99	41	10.8	4.7	7.7	-	-	15.1	4.7	-5.8	28	-	162	-	43	14	21	20	-	-	-	-	-	-	4	7	-	-	-	-	-	-	-
FERMANAGH																																	
CASTLE ARCHDALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FOREST	99	66	10.8	5.0	7.9	+1.8	-	15.3	4	-5.8	28	9.7	10.9	139	126</																		

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

NOVEMBER 1978

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (FEET)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY		CLOUD AMOUNT					VISIBILITY					WIND SPEED AND DIRECTION																																
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	VAPOR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS					0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE																									
									0	1 - 2	3 - 5	6 - 7	8											SKY OBSERVED	0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	SPEED (KT)														
																																			22-33	4-5	1-3	CALM	N	NE	E	SE	S	SW	W	NW			
																																															11-21	1-10	0
NUMBER OF OBSERVATIONS																																																	
0 SCOTLAND N																																																	
SHETLAND																																																	
FAIR ISLE	61	9	1010.0	-	6.8	0.9	8.7	86	6.1	0	2	6	14	8	0	0	0	0	0	0	0	0	0	4	9	10	7	8	8	10	4	0	3	1	1	0	0	9	6	10	0								
		15	1008.5	-	7.2	1.1	8.7	84	5.4	0	1	3	17	9	0	0	0	0	0	0	0	0	1	8	11	8	9	0	1	9	0	1	1	0	0	7	7	9	3										
		21	1009.1	-	7.1	0.9	9.0	87	5.6	1	5	7	6	11	0	0	0	0	0	0	0	0	3	7	16	6	4	13	12	1	0	1	0	1	0	1	1	0	7	7	6								
LERNICK	83	3	1009.2	-	5.8	-	8.1	-	5.6	0	5	6	8	11	0	0	0	0	0	0	0	0	4	5	3	15	3	0	15	11	4	0	2	0	0	1	5	9	11	2									
		9	1009.1 + 1.3	-	5.7	-	7.8	-	5.9	0	2	8	12	8	0	0	0	0	0	0	0	0	4	6	9	9	3	0	10	8	0	0	0	0	1	9	8	8											
		15	1007.6	-	6.0	-	7.9	-	6.4	0	2	5	14	9	0	0	0	0	0	0	0	0	1	11	8	7	3	2	10	14	2	2	1	0	0	9	10	7	1										
		21	1008.0	-	6.1	-	8.2	-	5.9	1	1	11	5	12	0	0	0	0	0	0	0	0	4	7	13	2	2	11	12	5	0	0	0	0	6	9	10	3											
ORKNEY																																																	
KIRKALL	26	3	1011.3	-	6.2	0.9	8.4	87	5.5	1	4	7	11	7	0	0	0	0	0	0	0	0	3	5	19	3	1	6	14	9	0	3	0	0	0	12	6	9	0										
		9	1010.9 + 2.7	-	6.5	0.9	8.5	86	6.2	2	0	5	17	6	0	0	0	0	0	0	0	0	2	7	15	6	0	4	20	6	0	0	0	0	1	10	8	5											
		15	1009.5	-	7.0	1.3	8.3	81	6.2	0	2	6	14	8	0	0	0	0	0	0	0	0	4	3	17	9	3	6	14	7	0	2	0	1	0	8	7	12	0										
		21	1010.4	-	6.5	1.0	8.4	85	5.9	0	4	7	11	8	0	0	0	0	0	0	0	0	2	10	16	2	0	6	20	4	0	2	0	0	1	8	6	11	2										
WESTERN ISLES																																																	
BENBECULA	7	3	1011.7	-	7.6	1.0	9.2	86	6.2	1	2	6	12	9	0	0	0	0	0	0	0	0	1	3	6	15	5	1	12	10	6	1	3	1	0	1	7	5	10	2									
		9	1011.0 + 2.5	-	7.7	0.9	9.3	86	6.6	0	0	0	13	9	0	0	0	0	0	0	0	0	3	8	15	3	1	12	11	6	0	0	1	2	1	1	9	9	6										
		15	1010.6	-	8.5	1.3	9.4	82	6.5	0	1	4	16	9	0	0	0	0	0	0	0	0	5	5	11	8	0	16	11	3	0	0	1	0	2	7	8	0											
		21	1011.7	-	8.1	1.2	9.3	83	5.9	0	5	4	11	10	0	0	0	0	0	0	0	0	4	6	15	5	0	11	17	1	1	2	0	0	0	8	6	11	2										
STORNOWAY	5	3	1011.0	-	6.6	0.8	8.8	88	6.0	0	4	7	5	14	0	0	0	0	0	0	0	0	1	7	18	4	0	2	16	10	2	3	0	0	0	7	9	8	1										
		9	1010.2 + 1.8	-	7.0	1.0	8.8	86	6.2	0	2	6	15	7	0	0	0	0	0	0	0	1	2	9	13	5	3	6	13	8	0	1	1	1	0	6	14	4											
		15	1009.3	-	7.7	1.2	9.0	83	6.3	0	2	5	14	9	0	0	0	0	0	0	0	0	1	4	9	13	3	2	7	13	8	0	1	0	0	9	8	12	0										
		21	1010.6	-	6.9	0.9	9.0	87	5.8	0	5	6	9	10	0	0	0	0	0	0	0	0	2	10	16	2	0	7	13	10	0	1	0	0	0	6	11	9	3										
HIGHLAND																																																	
CAPE WRATH	113	3	1010.2	-	6.9	0.7	9.1	90	6.2	0	4	6	4	16	0	0	0	0	0	0	0	0	9	13	8	1	7	14	8	0	0	0	0	0	4	9	12	2											
		9	1009.6	-	6.9	0.7	9.1	90	6.7	0	1	4	13	12	0	0	0	0	0	0	0	0	1	6	13	9	4	2	13	11	2	0	0	3	2	3	11	6	1										
		15	-	-	-	-	-	7.0	0	1	1	16	11	1	0	0	0	0	0	0	0	0	1	5	18	4	7	4	11	8	0	0	1	0	0	1	4	12	7										
		21	1009.3	-	7.2	0.7	9.4	91	6.4	1	0	9	8	11	1	0	0	0	0	0	0	0	7	16	6	3	13	5	9	0	0	0	0	0	4	12	6	0											
DALCROSS	12	9	1012.7	-	6.5	0.8	8.8	88	6.0	0	4	4	17	5	0	0	0	0	0	0	0	0	1	3	6	15	5	0	4	14	11	1	1	0	0	3	20	4	0										
		15	1011.8	-	8.0	1.5	8.7	80	6.2	1	1	6	17	5	0	0	0	0	0	0	0	0	9	15	6	0	5	18	6	1	1	0	0	0	5	13	10	0											
WICK	37	3	1011.9	-	5.9	1.0	8.1	84	5.1	1	6	7	12	4	0	0	0	0	0	0	0	0	1	3	15	11	0	3	13	14	0	2	0	0	0	12	8	6	2										
		9	1011.3 + 2.7	-	6.3	1.1	8.2	84	6.0	1	3	4	18	4	0	0	0	0	0	0	0	0	4	5	10	11	0	3	19	8	0	2	0	1	0	11	10	3	3										
		15	1010.1	-	6.9	1.4	8.1	79	6.2	0	3	5	16	6	0	0	0	0	0	0	0	0	2	2	5	11	10	1	3	18	8	0	1	0	0	1	11	8	1										
		21	1011.0	-	6.1	1.0	8.2	84	5.5	1	7	2	15	5	0	0	0	0	0	0	0	0	1	2	2	18	7	0	2	22	6	0	2	0	0	0	11	7	8	2									
1 SCOTLAND E																																																	
GRAMPIN																																																	
DYCE	59	3	1014.2	-	6.2	1.0	8.3	85	5.6	1	5	4	13	7	0	0	0	0	0	0	0	5	2	4	11	8	0	1	11	14	4	0	0	0	0	2	12	3	8	1									
		9	1013.7 + 4.0	-	6.7	1.0	8.7	85	5.4	0	6	4	19	1	0	0	0	0	0	0	0	0	3	3	4	6	17	0	1	12	14	3	0	0	0	0	2	11	8	4									
		15	1012.7	-	8.1	1.6	8.6	78	5.5	0	5	5	16	4	0	0	0	0	0	0	0	2	3	4	7	14	0	2	15	13	0	0	0	0	0	2	12	7	5										
		21	1013.6	-	6.3	0.9	8.5	86	5.5	2	4	5	9	10	0	0	0	0	0	0	0	0	2	6	10	9	0	1	11	17	1	1	0	0	0	0	13	6	1										
FRASERBURGH	22	3	1013.4	-	6.8	1.2	8.4	82	4.6	0	11	8	2	9	0	0	0	0	0	0	0	0	1	6	25	0	1	1	12	16	0	1	0	0	1	16	8	3	1										
		9	1012.9 + 3.7	-	7.3	1.5	8.4	80	4.1	1	2	4	15	8	0	0	0	0	0	0	0	0	2	7	21	0	1	3	11	16	0	0	0	0	1	3	14	7	1										
		15	1012.0	-	8.7	1.8	8.6	75	5.9	1	1	5	18	5	0	0	0	0	0	0	0	0	1	6	25	0	2	4	10	14	0	2	0	0	2	13	6	5											
		21	1012.7	-	7.5	1.3	8.6	81	5.5	0	5	7	10	8	0	0	0	0	0	0	0	0	2	5	23	0	1	6	9	14	0	0	0	0	2	14	5	2											
KINLOSS	6	3	1013.2	-	6.9	1.4	8.1	80	5.1	1	6	6	11	6	0	0	0	0	0	0	0	1	0	4	21	4	0	0	16	13	1	0	1	0	0	8	14	3	3										
		9	1012.7 + 3.4	-	6.8	1.3	8.2	81	5.9	1	3	3	19	4	0	0	0	0	0	0	0	0	2	6	13	9	0	3	9	17	1	0	1	0	2	0	6	17	2										
		15	1011.8	-	8.2	1.9	8.2	75	6.0	1	3	2	18	6	0	0	0	0	0	0	0	0	1	9	9	11	1	2	17	8	2	1	0	0	0	4	14	9											
		21	1012.7	-	7.2	1.5	8.3	80	5.7	1	4	5	13	7	0	0	0	0	0	0	0	0	1	6	19	4	0	0	14	16	0	1	0	1	1	8	15	4											
LOSSIEMOUTH	6	3	1012.8	-	6.4	1.3	8.0	81	5.4	1	5	5	12	7	0	0	0	0	0	0	0	0	1	1	16	12	0	1	15	12	2	0	0	0	4	5	16	0											
		9	1012.3	-	6.8	1.3																																											

[illegible]

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

NOVEMBER 1978

STATION	MAXIMUM °C										MINIMUM °C									
	0-0 OR LESS	0-1 TO 5-0	5-1 TO 10-0	10-1 TO 15-0	15-1 TO 20-0	20-1 TO 25-0	25-1 TO 30-0	30-1 TO 35-0	35-1 TO 40-0	40-1 TO 45-0	0-0 OR LESS	-15-0 OR LESS	-15-1 TO -10-0	-10-1 TO -5-0	-5-1 TO 0-0	0-1 TO 5-0	5-1 TO 10-0	10-1 TO 15-0	15-1 TO 20-0	20-1 TO 25-0
LERWICK (PSYCHROMETER)	1	4	20	5	0	0	0	0	0	0	0	0	0	0	0	4	13	13	0	0
LERWICK (SCREEN)	1	4	20	5	0	0	0	0	0	0	0	0	0	0	0	4	14	12	0	0
STORNOWAY	0	5	10	15	0	0	0	0	0	0	0	0	0	0	0	12	11	5	0	0
CARBOSTONE	0	7	5	15	3	0	0	0	0	0	0	0	0	0	0	5	13	12	0	0
ROTHESAY	0	6	3	21	0	0	0	0	0	0	4	7	15	4	0	15	4	0	0	0
ABBOTSINCH	0	6	3	21	0	0	0	0	0	0	2	4	6	10	8	0	0	0	0	0
ESKDALEMUIR (PSYCHROMETER)	1	6	8	15	0	0	0	0	0	0	2	5	6	16	1	0	0	0	0	0
ESKDALEMUIR (SCREEN)	0	7	7	16	0	0	0	0	0	0	2	5	6	16	1	0	0	0	0	0
DOUGLAS	0	4	4	22	0	0	0	0	0	0	3	6	13	8	0	0	0	0	0	0
BOLMER	0	6	5	16	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HULL	0	4	3	17	6	0	0	0	0	0	1	4	6	17	2	0	0	0	0	0
DORLESTON	1	1	8	16	5	0	0	0	0	0	0	0	0	0	0	3	8	14	5	0
CAMBRIDGE BOTANIC GARDENS	0	4	1	19	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDDABASTON	0	5	3	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KEN (PSYCHROMETER)	0	5	3	15	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KEN (NORTH-WALL SCREEN)	0	5	3	15	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HASTINGS	0	4	2	20	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTHAMPTON	0	2	4	17	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STONYHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	0	1	7	21	1	0	0	0	0	0	0	0	0	0	0	2	5	7	16	0
RHOOSE	0	4	2	21	3	0	0	0	0	0	0	0	0	0	0	1	3	5	9	12
FALMOUTH	0	0	6	21	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALDERGROVE	0	3	7	20	0	0	0	0	0	0	0	0	0	0	0	1	3	7	14	5
ARMAGH	0	5	4	20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES	DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			ABOVE MSL	ABOVE GROUND	EFFECTIVE	34 KT OR MORE (GALE FORCE)					22-33 KT					11-21 KT		4-10 KT		LESS THAN 4 KT		HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
						DATES OF OCCURRENCE					NUMBER OF HOURS	OF DAYS	NUMBER OF HOURS					HOURS OF RECORD	MEAN HOURLY WIND SPEED (KT)		HOURLY WIND		DUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
						YEAR	MONTH	DAY	YEAR	MONTH			DAY	YEAR	MONTH	DAY	YEAR		MONTH	DAY	YEAR	MONTH	DAY	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	WEIGHT OF VANE IN METRES	DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES			
		ADVICE REL	ADVICE GROUND EFFECTIVE	34 KT OR MORE (GALE FORCE)			22-33 KT			11-21 KT			LESS THAN 11 KT		
				DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS
3 EAST ANGLIA - CONTINUED															
CAMBRIDGESHIRE	MARNHAM	29	10 10		0	5	39	330	235	116	0	10.8	210	31	15
	WITTERING	87	10 10		0	3	14	391	258	57	0	11.3	200	30	15
	WYTON	45	10 10		0	4	21	368	255	76	0	11.0	210	26	15
SUFFOLK	HONINGTON	60	13 13		0	2	7	365	251	97	0	10.2	190	24	15
	WATTISHAM	105	17 10		0	4	16	379	295	30	0	11.2	210	24	15
BEDFORDSHIRE	BEDFORD	94	13 9		0	5	36	350	270	64	0	11.2	210	30	15
	CARDINGTON	70	41 41		0	8	76	345	217	82	0	12.4	210	31	15
HERTFORDSHIRE	GARSTON	94	15 10		0	0	0	80	452	188	0	6.2	210	19	15
ESSEX	SHOEBURNESS	17	14 12		0	2	8	304	339	69	0	9.8	200	26	15
	STANSTED	108	10 10		0	0	0	258	386	76	0	8.8	230	20	14
4 MIDLAND COUNTIES															
WEST YORKSHIRE	WILSDEN	272	10 10		0	10	73	342	249	56	0	12.5	230	30	14
SOUTH YORKSHIRE	FINNINGLEY	19	10 10		0	4	22	304	318	76	0	10.1	190	25	15
	HIGH BRADFELD	405	10 10	14-20 22	91	22	198	285	117	18	11	19.8	220	52	15
	SHEFFIELD UNIVERSITY	146	29 15		0	1	6	211	395	108	0	8.6	210	26	15
NOTTINGHAMSHIRE	HATFIELD	133	16 10		0	2	9	288	368	55	0	9.5	210	29	15
STAFFORDSHIRE	CELLARHEAD	241	13 8		0	0	0	268	347	83	22	9.0	200	21	14
	KEELE	215	15 10		0	0	0	132	411	177	0	6.7	200	17	15
SALOP	SHAWBURY	84	12 10		0	3	15	258	300	147	0	9.0	200	27	15
WEST MIDLANDS	BIRMINGHAM														
	EDBASTON	196	36 22		0	1	3	235	360	122	0	8.6	200	23	15
	ELMORON AIRPORT	104	10 10		0	4	14	292	298	116	0	9.5	200	28	15
OXFORDSHIRE	BENSON	67	10 10		0	2	10	270	173	267	0	8.2	210	26	15
	BRIZE NORTON	91	13 10		0	1	4	269	262	185	0	8.3	220	26	15
	OXFORD	113	50 22		0	4	18	301	286	106	9	9.8	200	29	15
5 ENGLAND SE & CENTRAL S															
GREATER LONDON	HEATHROW AIRPORT	34	10 10		0	2	4	209	367	140	0	8.0	200	24	15
	KEN	28	23 15		0	1	2	219	270	229	0	7.3	210	22	15
	LONDON WEATHER CENTRE	93	70 38		0	3	9	333	319	59	0	10.2	210	25	15
	POST OFFICE TOWER		174 15		2	15	140	395	152	31	0	15.3	210	35	15
WILTSHIRE	BOSCOMBE DOWN	130	17 17		0	4	28	305	304	83	0	10.3	200	31	15
	LARKHILL	145	13 10		0	1	3	182	409	126	0	7.9	210	24	15
	LYNEHAM	160	14 13		0	1	6	261	399	54	0	9.3	220	25	15
	PORTON	120	10 10		0	4	25	229	333	133	0	9.0	200	29	15
KENT	DOVER	27	21 18	14 15 17-19	42	15	132	293	201	52	0	15.7	200	43	15
	DUNGENESS	16	10 10		0	8	84	337	258	41	0	12.8	230	33	15
	EAST MALLING	33	12 10		0	1	1	95	333	291	0	5.4	200	22	15
	ISLE OF GRAIN	15	12 10		0	3	12	309	297	102	0	9.8	210	26	15
	MANSTON	62	18 18		0	6	54	375	245	46	0	12.1	200	33	15
HAMPSHIRE	CALSHOT	15	13 10		0	5	39	286	309	85	1	10.4	220	31	19
	FARNBOROUGH	75	10 10		0	2	6	156	355	203	0	7.3	210	26	15
	MIDDLE WALLOP	94	10 10		0	2	4	211	358	128	19	8.4	210	22	15
WEST SUSSEX	GATWICK AIRPORT	69	10 10		0	2	14	201	357	148	0	8.2	220	25	15
7A ENGLAND NW & I O M															
CUMBRIA	CARLISLE	41	13 9		0	5	32	290	299	99	0	10.0	230	33	15
	GREAT DUN FELL	857	10 10	1-5 7-10 12-23 27	295	27	243	177	5	0	0	30.7	220	73	15
	MOOR HOUSE	595	13 12	DEFECTIVE RECORD											
	SELLAFIELD	25	12 11		0	8	40	378	235	31	36	12.3	190	32	15
LANCASHIRE	FLEETWOOD	34	15 9	15	3	8	67	408	225	6	11	13.7	280	35	15
	SQUIRES DATE AIRPORT	22	12 11		0	11	101	386	216	17	0	14.1	260	32	15
MERSEYSIDE	ROBURN	38	23 11	15	2	6	38	320	290	70	0	11.0	190	34	15
GREATER MANCHESTER	MANCHESTER														
	RINGWAY AIRPORT	80	10 10		0	4	25	283	325	87	0	9.9	210	27	15
	WEATHER CENTRE	82	45 17		0	1	5	203	386	126	0	8.0	210	26	15
ISLE OF MAN	POINT OF AYRE	20	10 10	14 15	12	17	155	444	98	8	3	16.8	200	41	15
	RONALDSWAY	25	10 10	15 17	7	15	104	455	140	14	0	15.4	210	42	15
7B WALES N															
GWYNEDD	VALLEY	26	16 12	7 8 12 14 15 17 20	43	21	249	296	116	16	0	19.3	190	49	15
8A WALES SOUTH															
DYFED	ABERPORTH	144	10 10	15	5	17	165	451	96	3	0	17.3	180	36	15
	BRAWDY	121	10 10	15	3	12	85	423	185	24	0	14.2	200	35	15
	MILFORD HAVEN	47	10 10	15	1	12	108	368	205	38	0	13.7	200	35	15
WEST GLAMORGAN	PORT TALBOT	30	11 7		0	8	72	345	271	32	0	12.5	290	27	15
MID GLAMORGAN	CILFYNDY	210	16 16		0	3	13	258	243	206	0	8.7	200	32	15
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10 10		0	1	5	323	316	76	0	9.9	210	25	15
8B ENGLAND SW															
AVON	AVONMOUTH	28	19 10	15	1	5	29	347	246	97	0	10.7	210	35	15
SOMERSET	TEDEVILTON	22	12 10	15	1	5	28	241	301	149	0	9.2	230	34	15
DORSET	HURN AIRPORT	23	13 11		0	3	17	182	329	190	2	7.9	210	27	15
	PORTLAND BILL CO	60	13 13	15	2	15	156	391	151	13	7	15.9	240	34	15
DEVON	BURRINGTON	211	10 10		0	1	10	306	334	46	24	10.3	220	27	15
	MOUNT BATTEN	64	13 13	15 19	6	8	84	274	260	96	0	11.9	210	38	15
CORNWALL	CULROSE				0	4	22	407	266	25	0	11.8	210	31	15
	LIZARD	96	23 18	15 19	10	15	153	397	141	19	0	16.0	210	41	15
	ST MARGAN	120	13 13		0	5	37	422	242	19	0	12.6	180	31	15
	SCILLY (ST MARYS)	70	20 17	15	3	9	96	424	156	51	0	13.8	210	36	15
CHANNEL ISLANDS															
	GUERNSEY AIRPORT	116	12 12		0	5	31	443	220	26	0	12.7	220	27	15
	JERSEY AIRPORT	94	12 10		0	2	5	340	360	15	0	10.7	290	23	15
NORTHERN IRELAND															
LONDONDERRY	COLERAINE UNIVERSITY	33	10 10		0	4	20	354	274	72	0	10.6	200	26	15
ANTRIM	ALDERGROVE	80	10 10		0	8	46	376	186	68	44	12.4	210	31	17
	BALLYPATRICK FOREST	166	13 13		0	3	59	373	232	76	0	11.5	180	31	7
	BELFAST HARBOUR	21	18 18		6	16	93	342	202	68	9	13.1	180	40	15
DOWN	KILKEEL	36	19 14	14 15	15	22	196	351	119	15	24	17.6	200	42	09
	KILLBOUGH	51	15 15	7 12 15 17	16	18	130	450	112	12	0	16.5	210	38	15
	DRLOCK HEAD	51	16 12	7 14 15 17	0	3	11	221	284	204	0	8.0	180	26	15
TYRONE	CARRIGANS	129	10 10		0	3	10	286	286	93	45	9.5	180	26	14
FERMANAGH	CASTLE ARCHDALE FOREST	79	13 13		0	3	10	286	286	93	45	9.5	180	26	14

Averages for 1961-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

